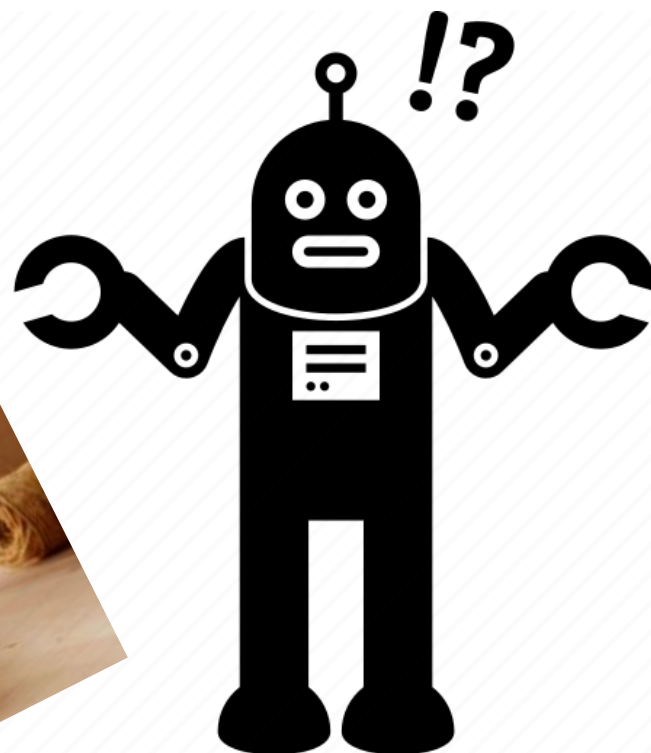




Ingineri automatiști



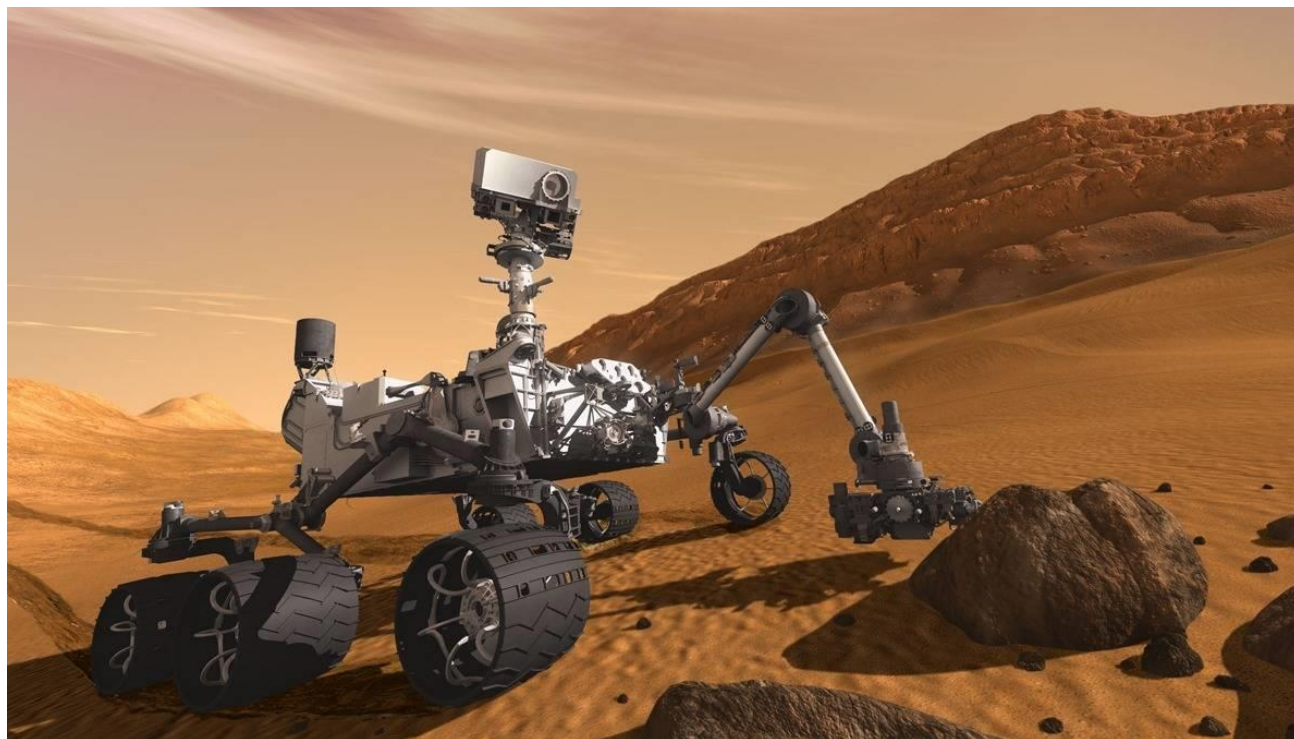
Ce este un robot?



Utilizarea roboților: În industrie



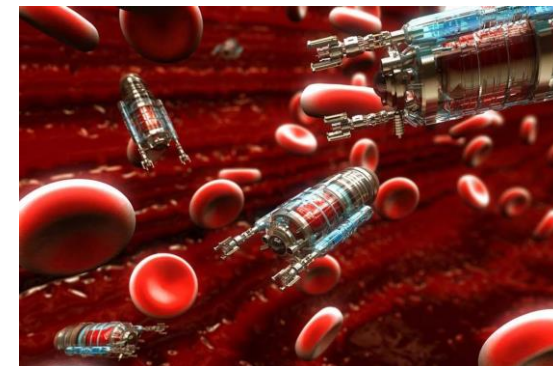
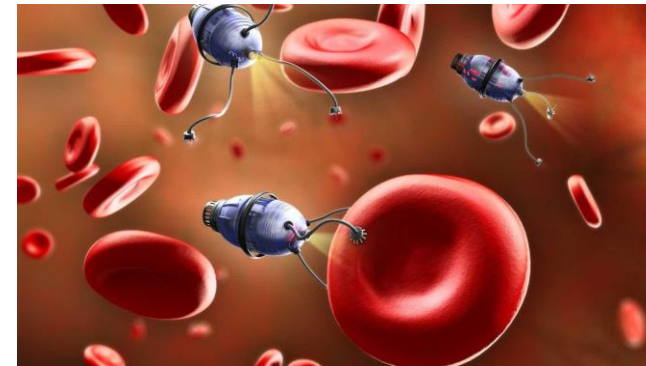
Utilizarea roboților: În misiuni spațiale



Utilizarea roboților: În operațiuni de salvare



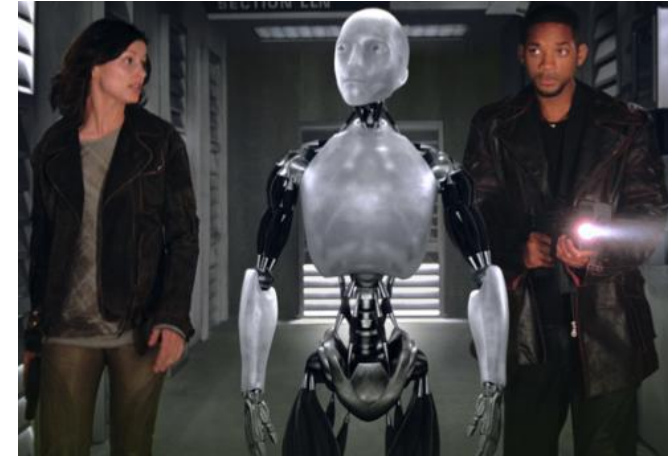
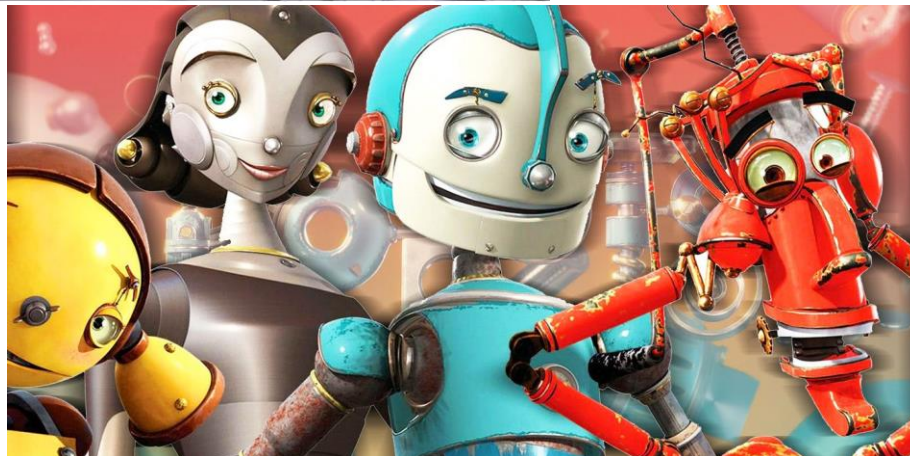
Utilizarea roboților: În medicină



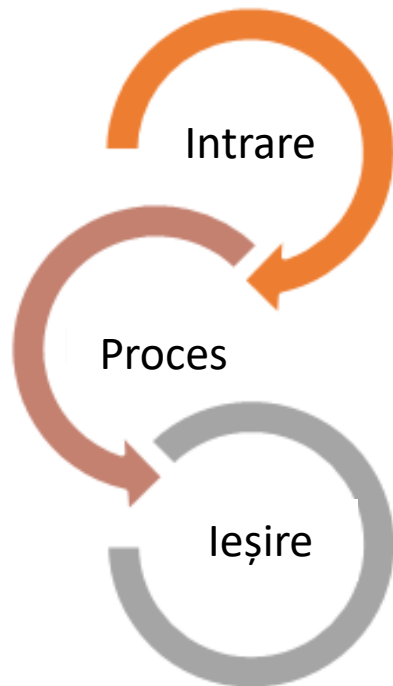
Utilizarea roboților: Acasă



Utilizarea roboților: În filme



Un robot este un dispozitiv care conține multe automatizări

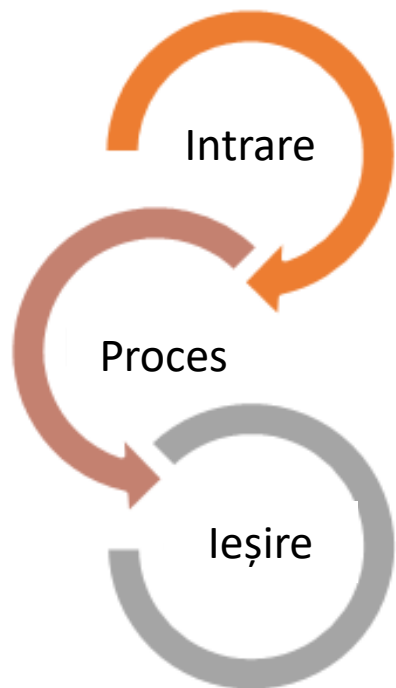


Fiecare automatizare constă din trei părți:

- 1) Intrare** : informația introdusă în sistem printr-un senzor (un dispozitiv care înregistrează orice modificare a mediului) **CAUZA**
- 2) Proces** : procesul de raționament care folosește informațiile de la intrare pentru a ajunge la o reacție
- 3) Ieșire** : derularea reacției **REZULTAT**

Vă puteți gândi la vreo asemănare între asta și modul în care oamenii reacționează la stimuli?

Roboții imită oamenii: **Biomimetism**



1) Intrare	
2) Proces	
3) Ieșire	

Conținutul cutiilor



Hub



Motor

Distanță
Senzor



Senzor de înclinare



Avioanele zboară
mereu în atmosferă,
nu?

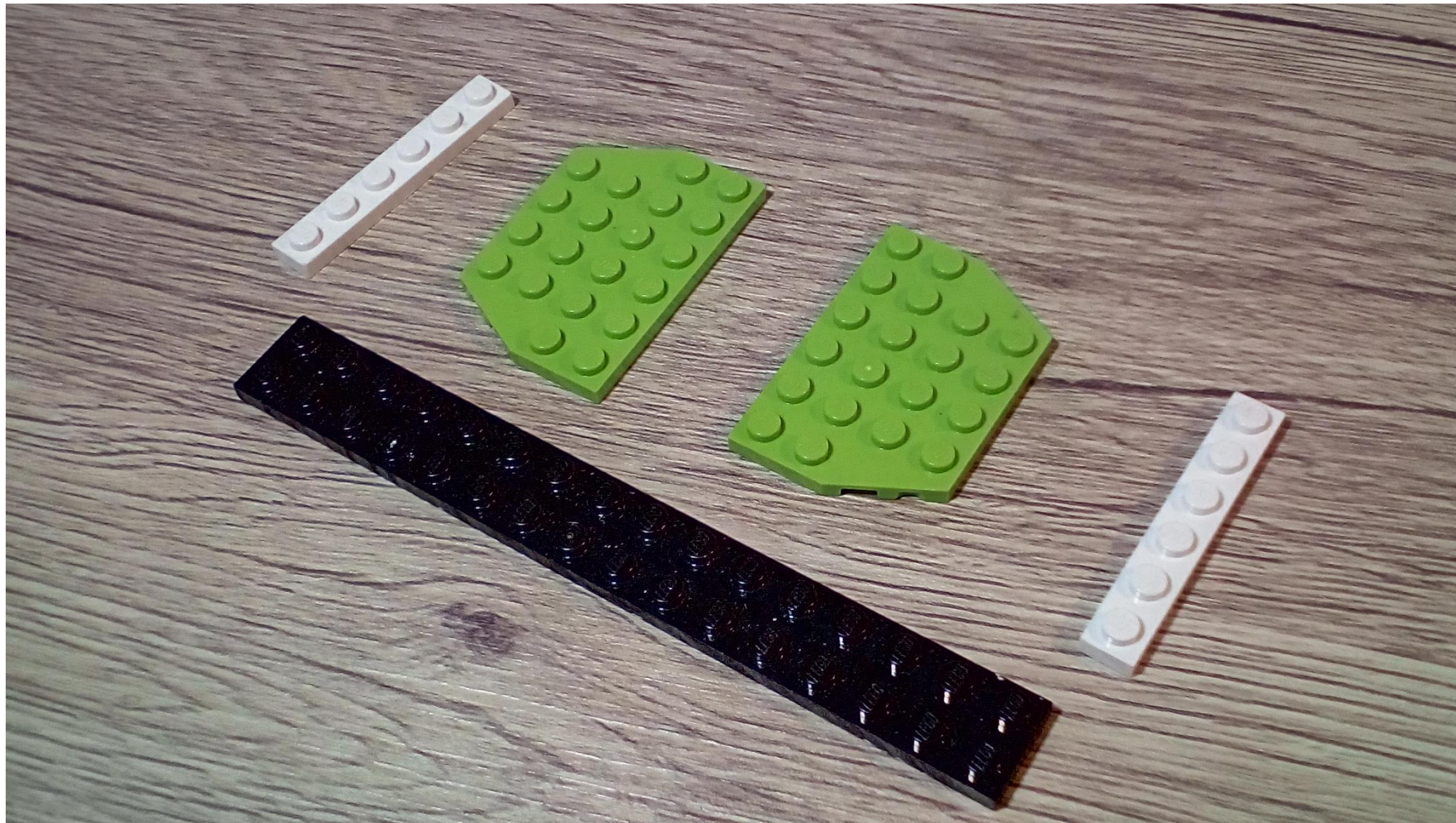
Da!

Am putea vedea cum
aerul atmosferic
afectează mișcarea
unui avion?

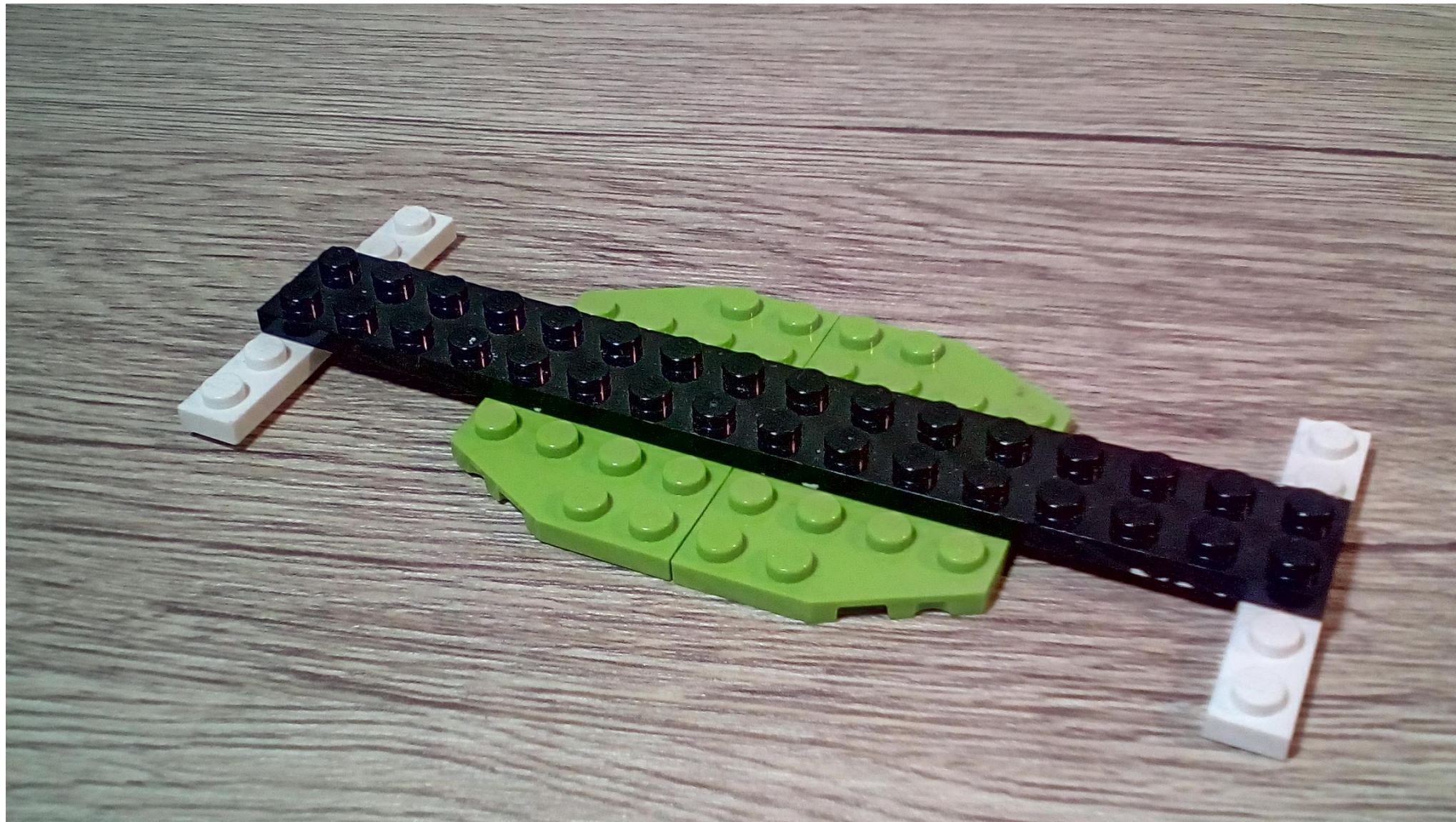
Da! Putem construi
un avion care se
rotește din cauza
aerului!



1



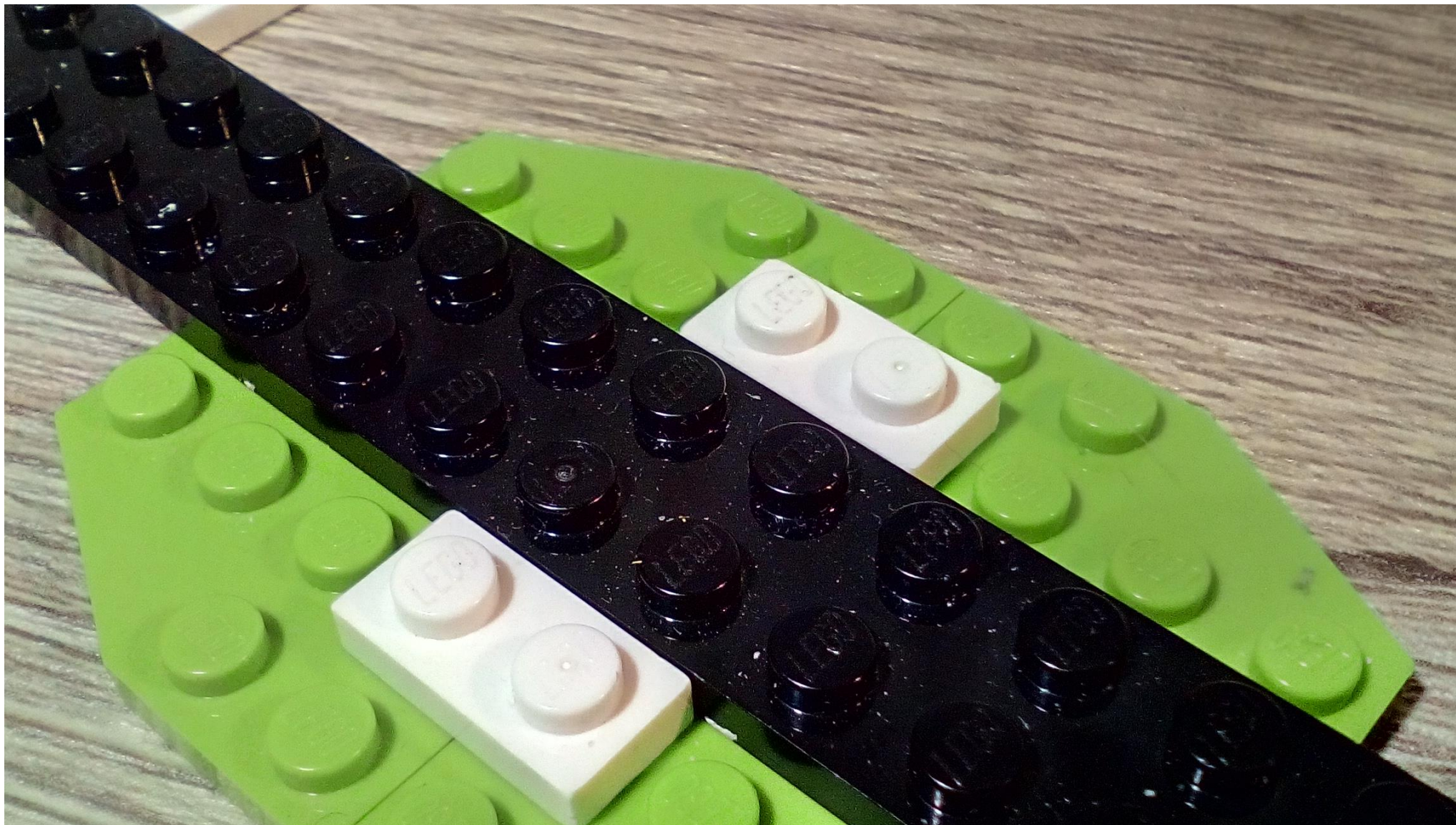
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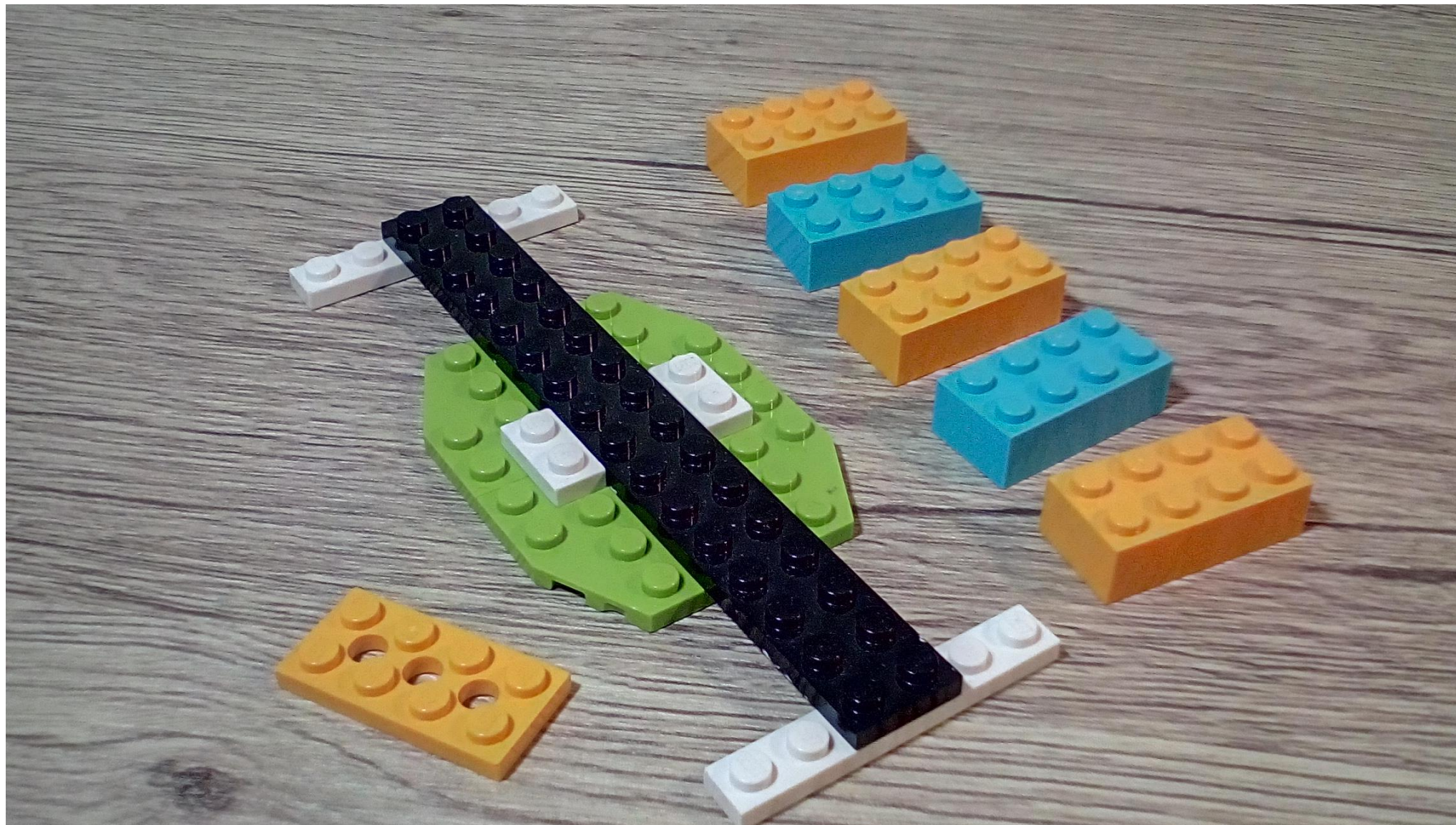
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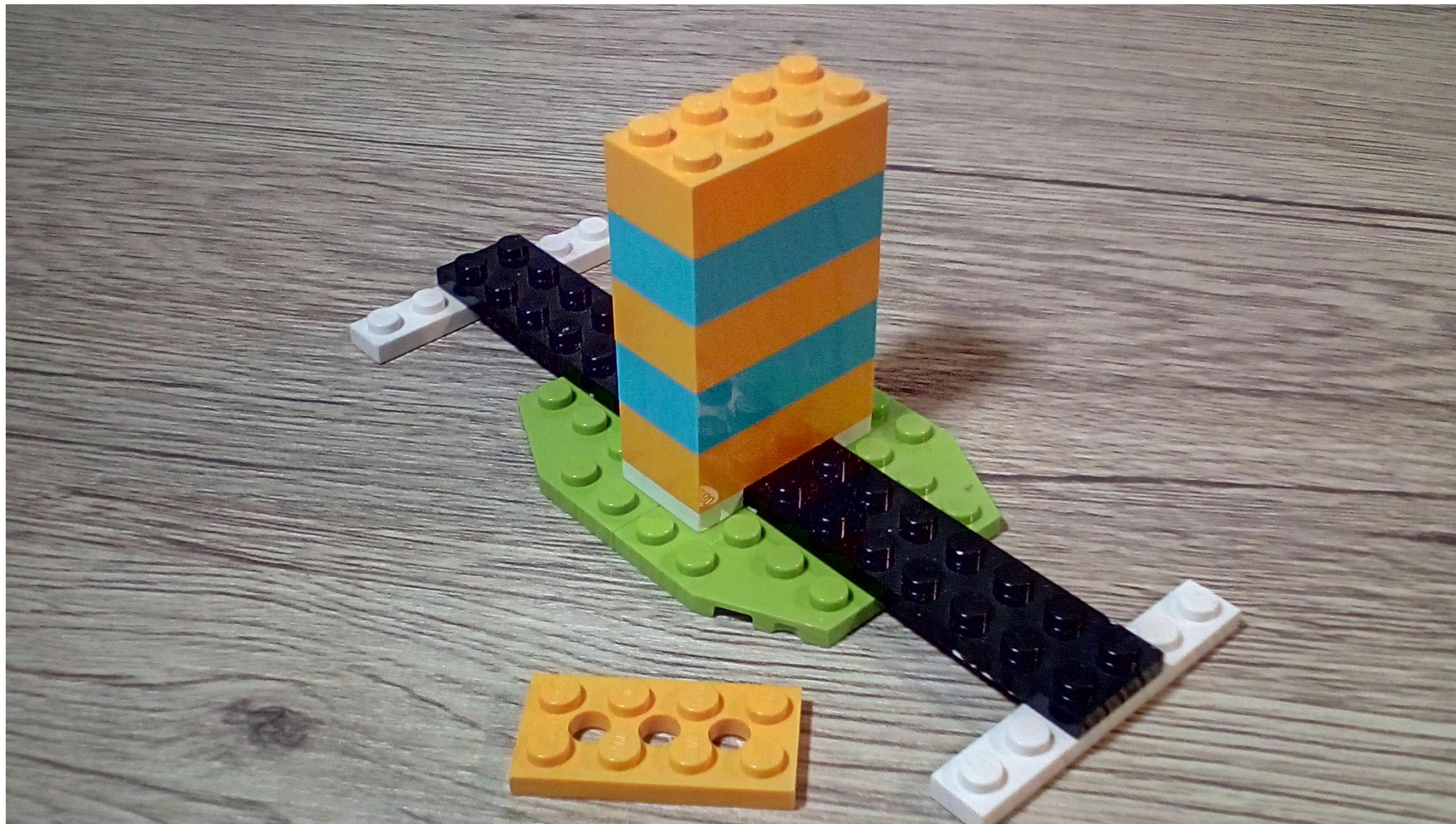
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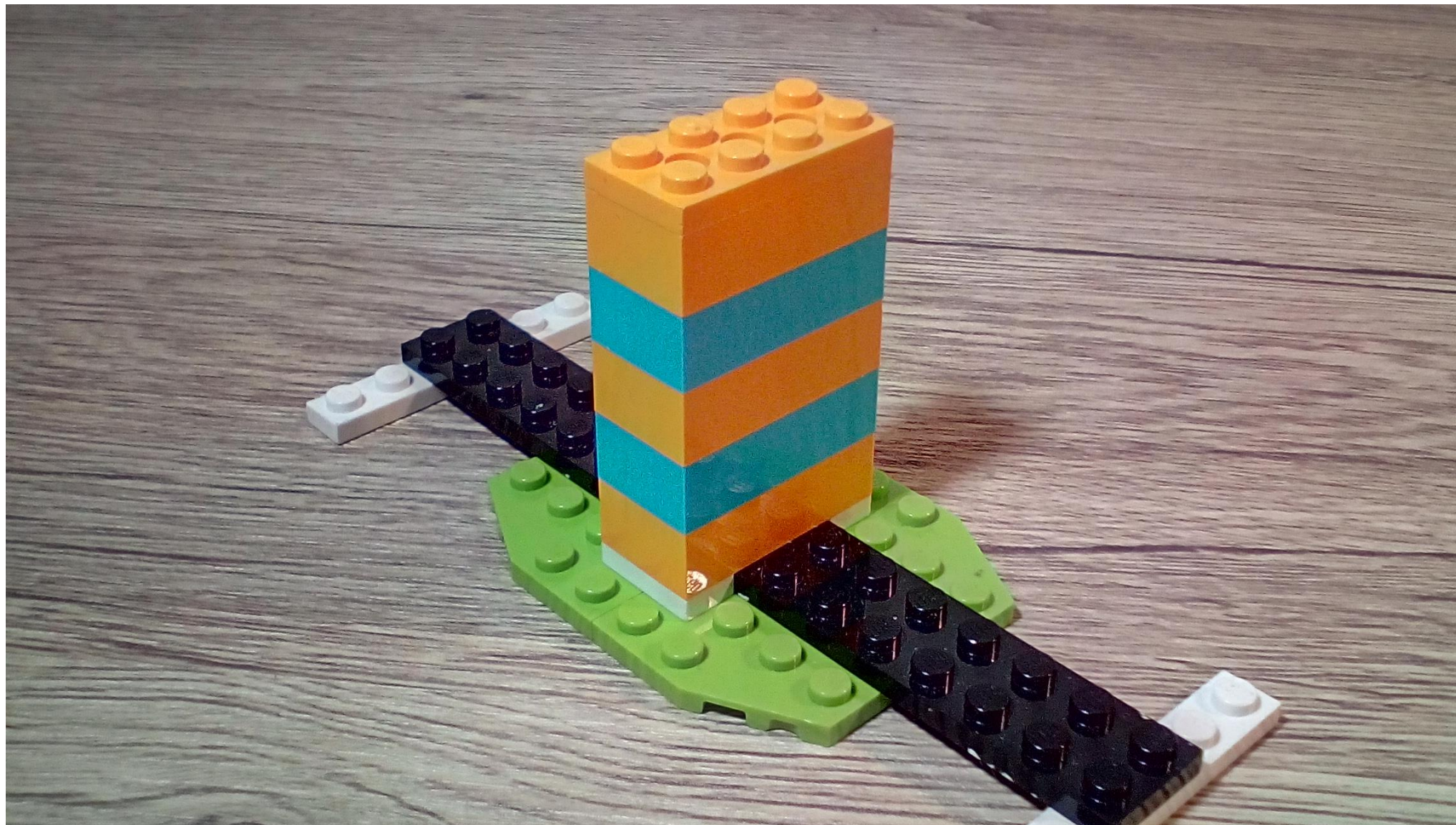
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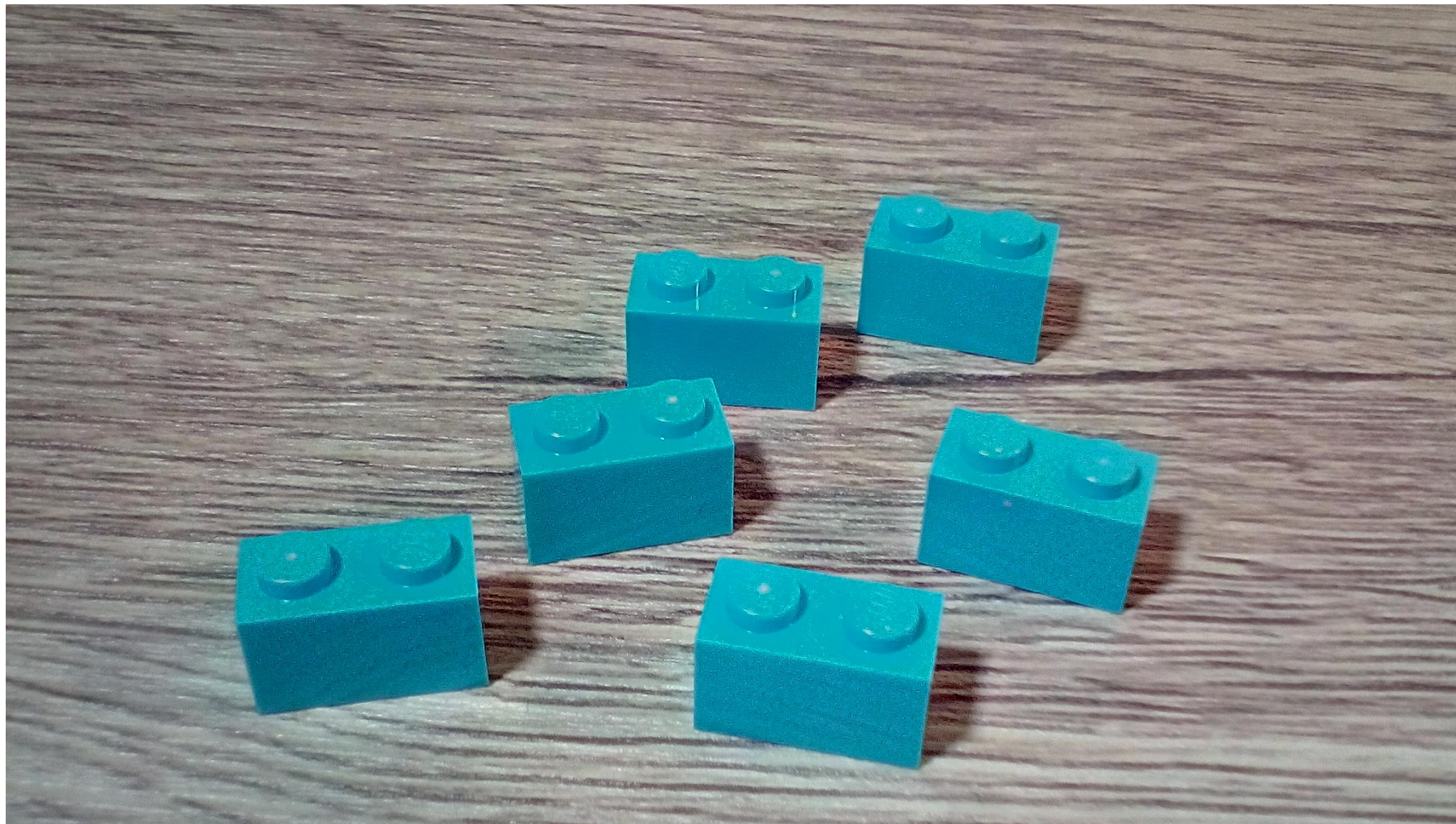
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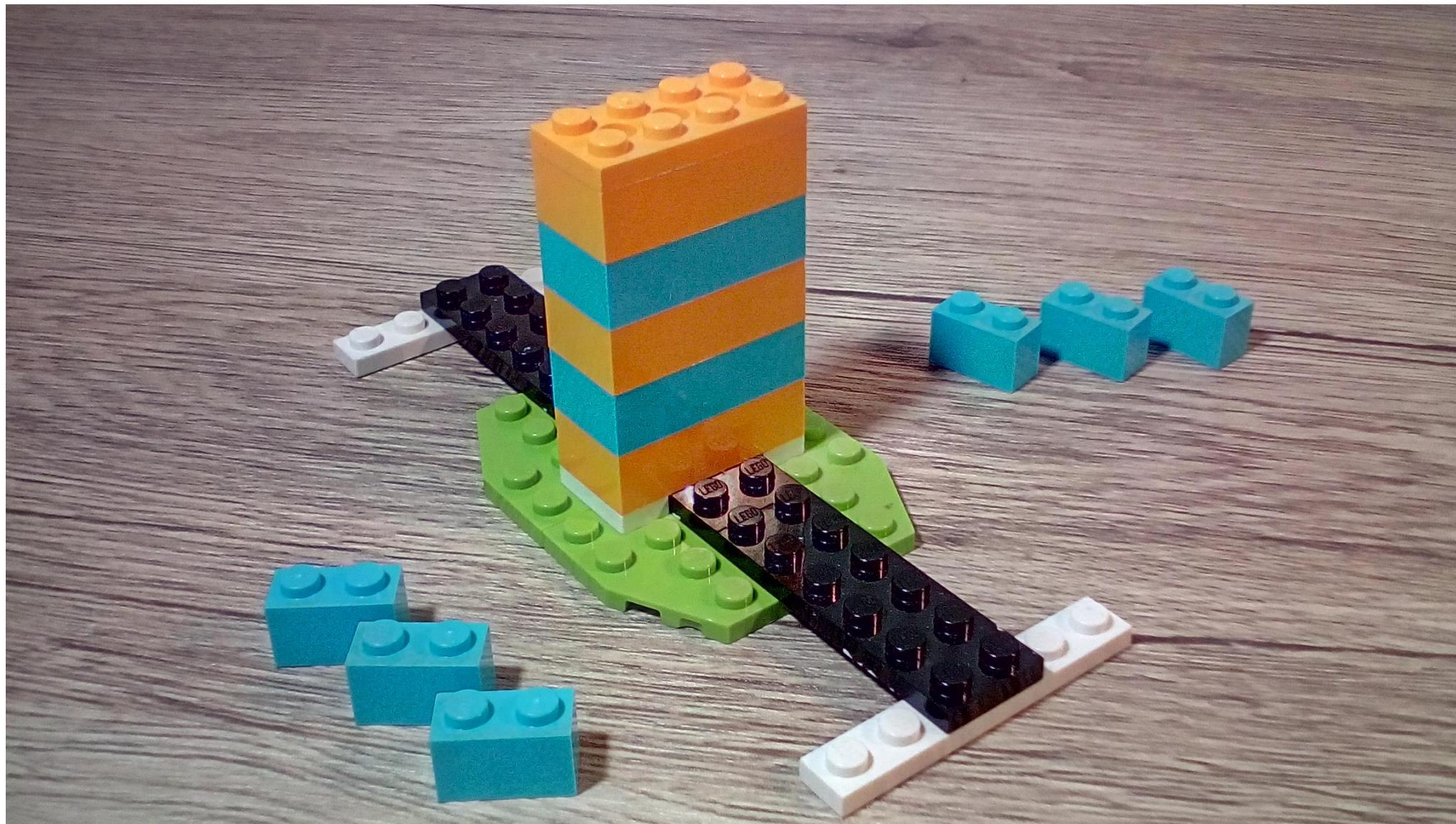
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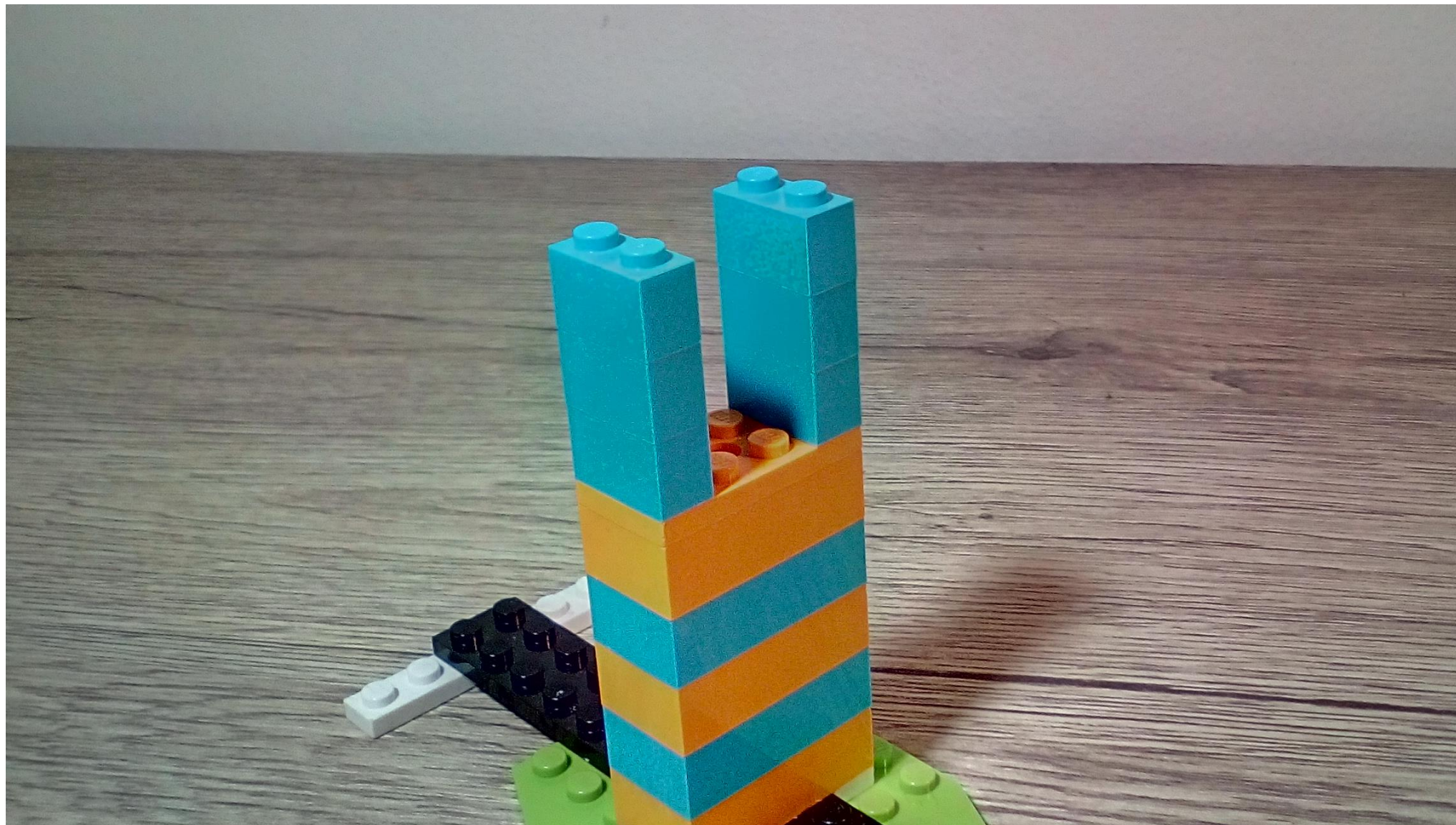
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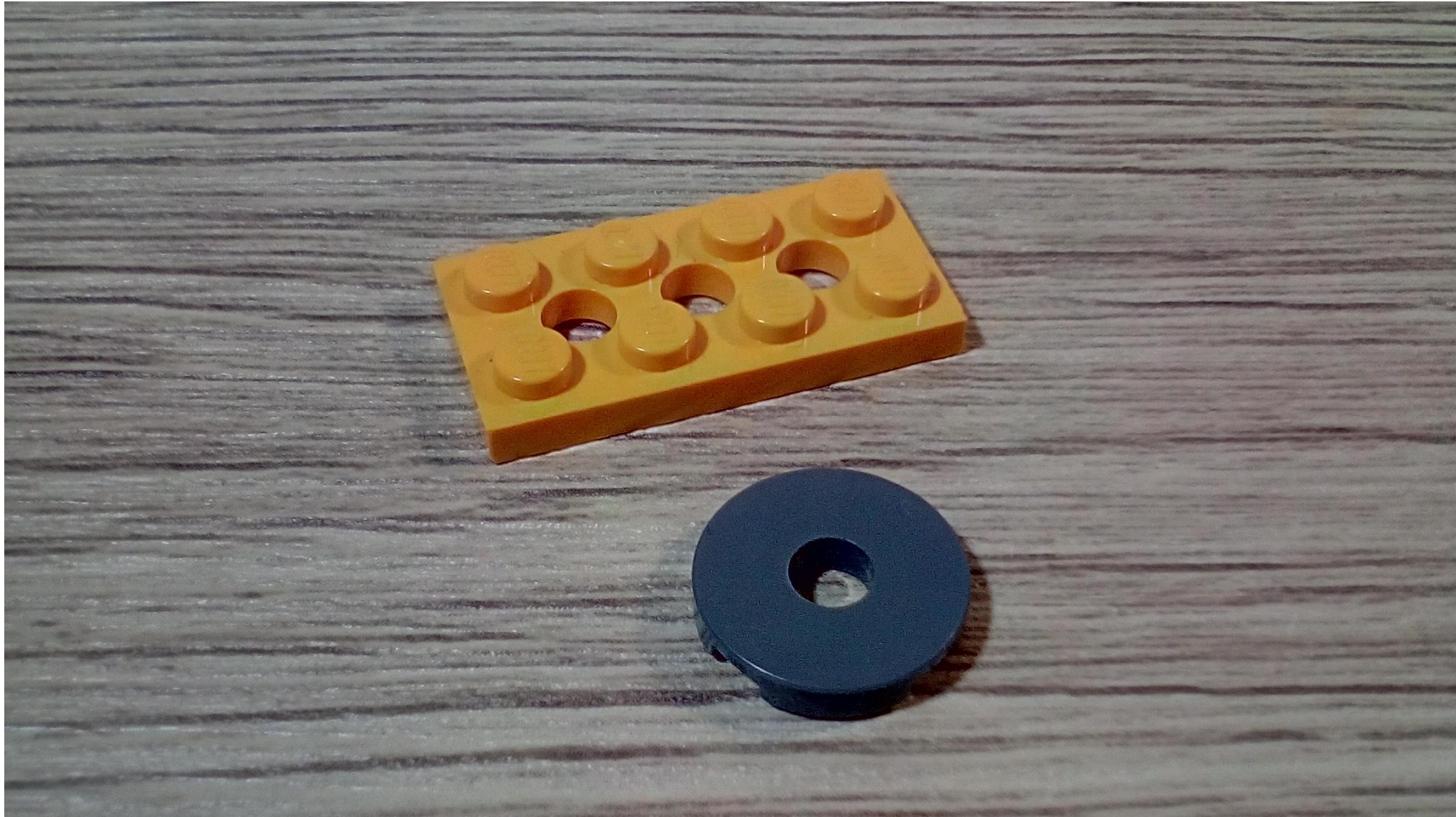
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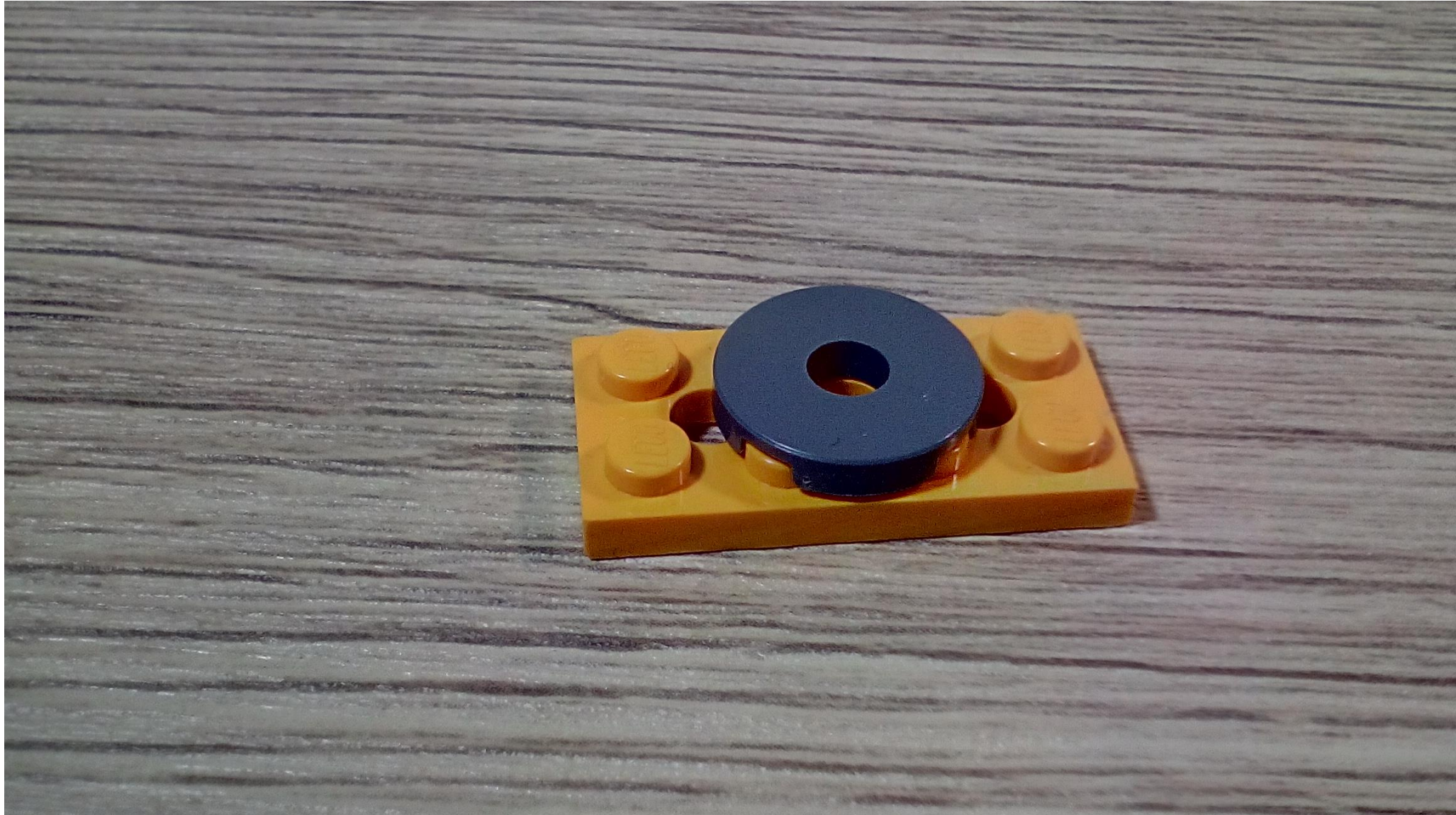
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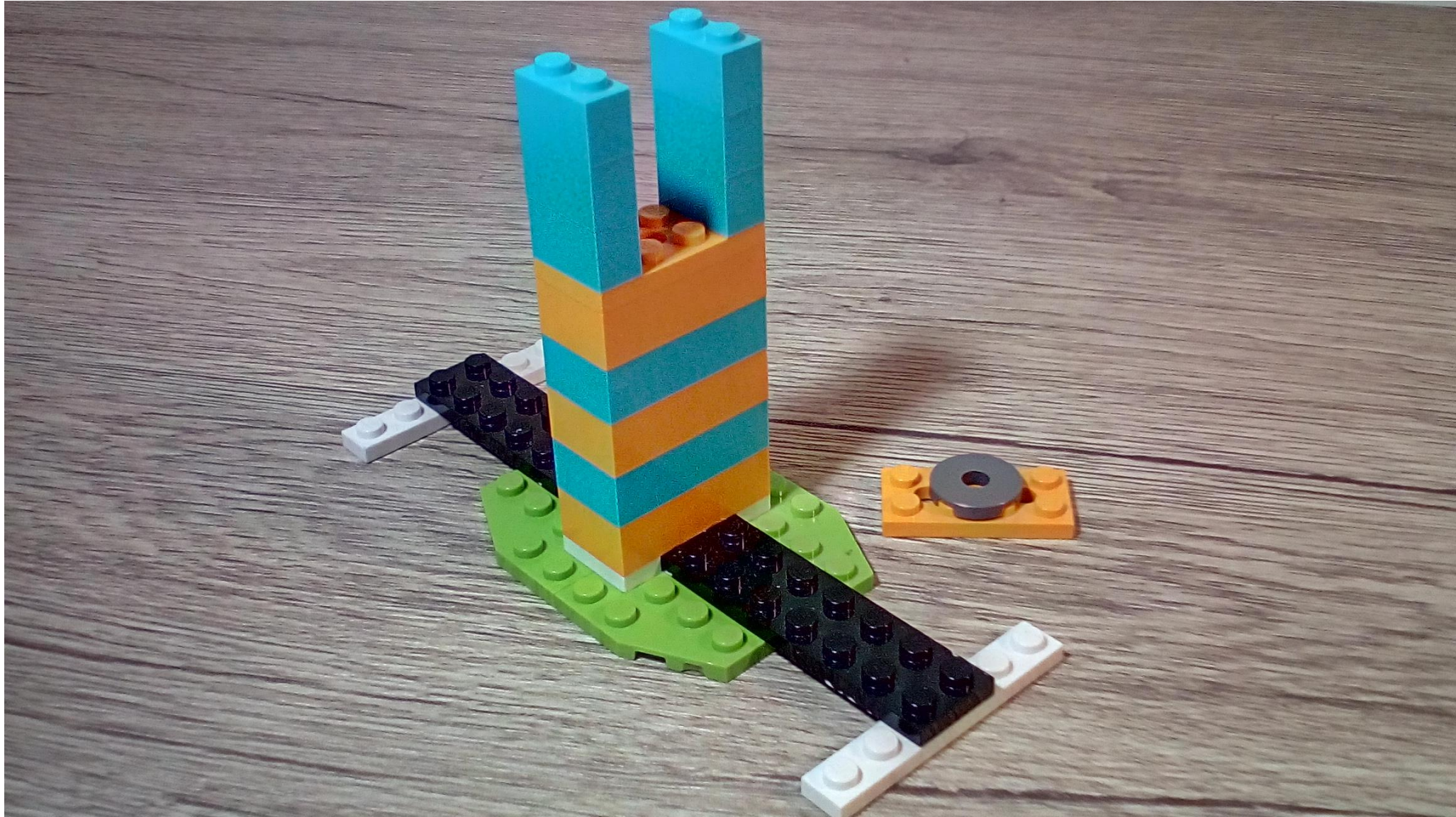
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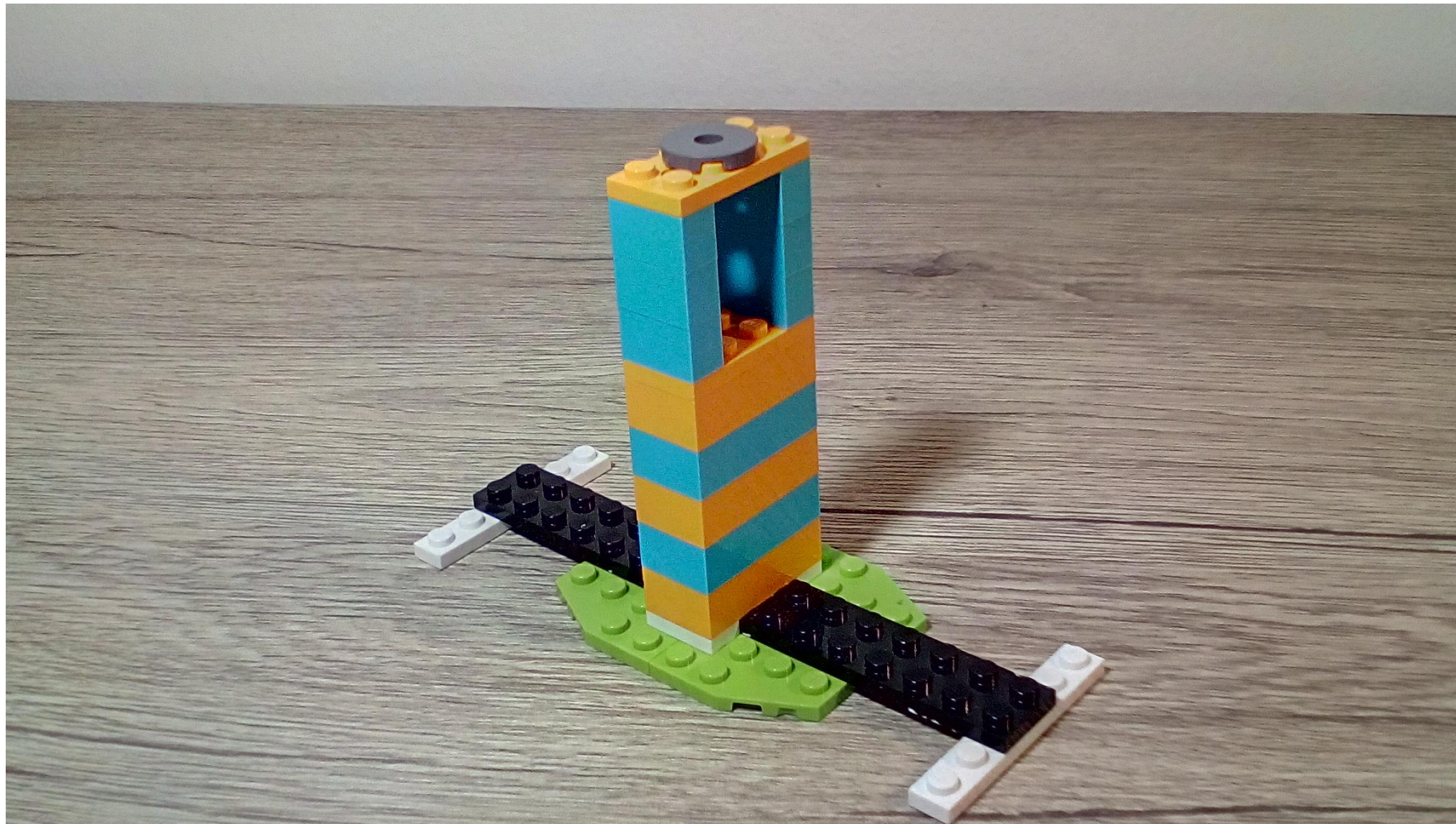
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13



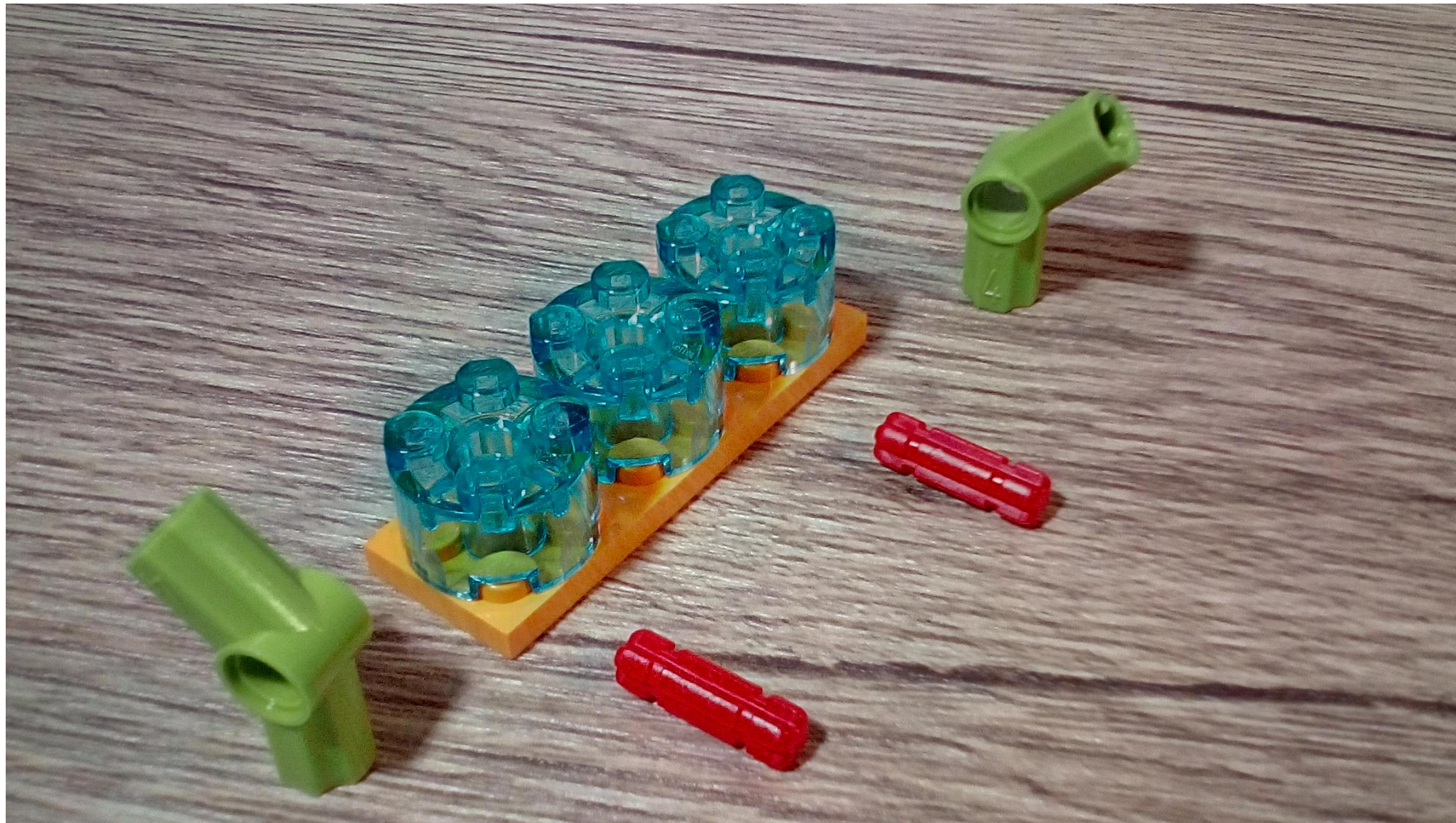
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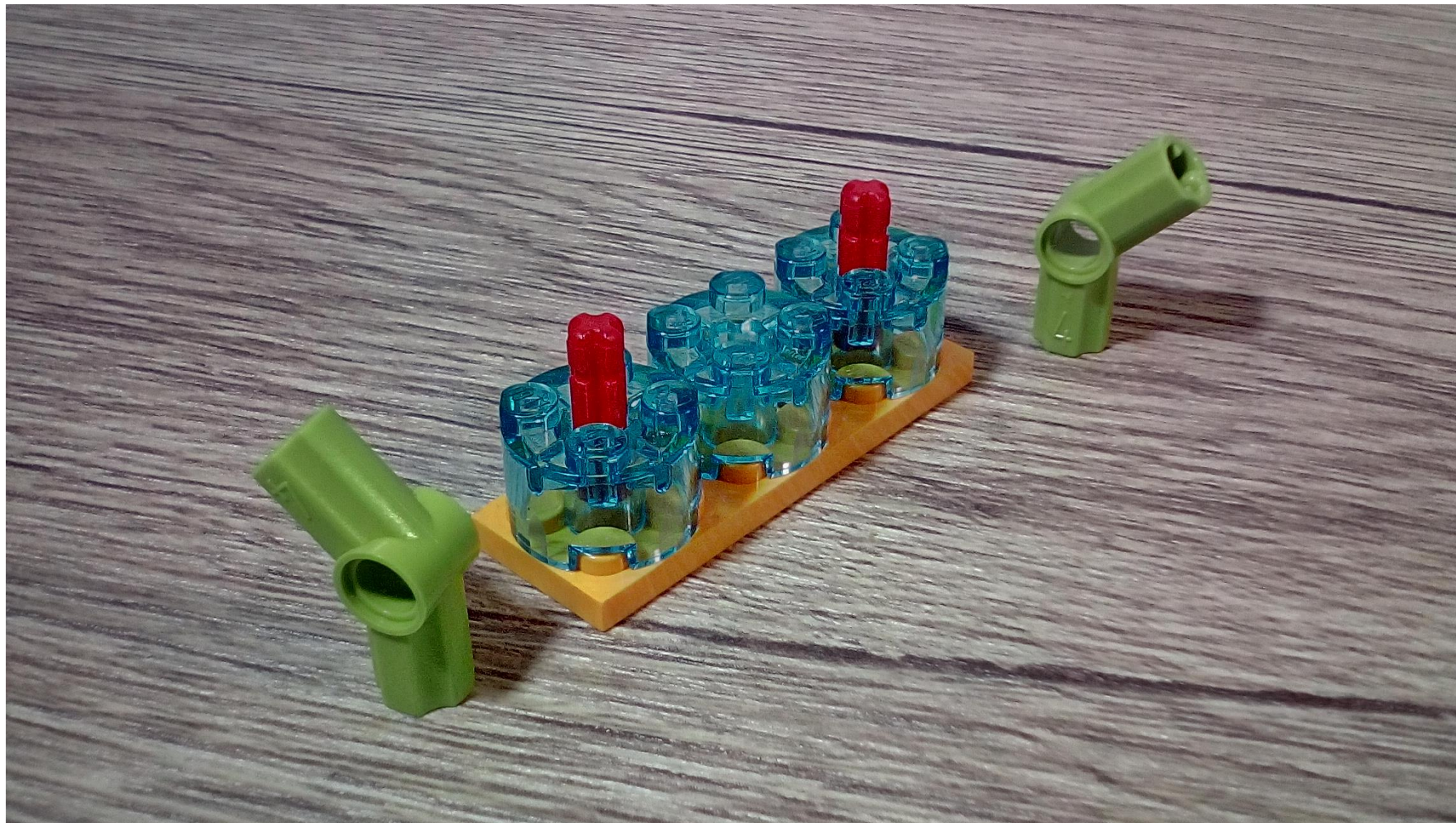
15



16



17



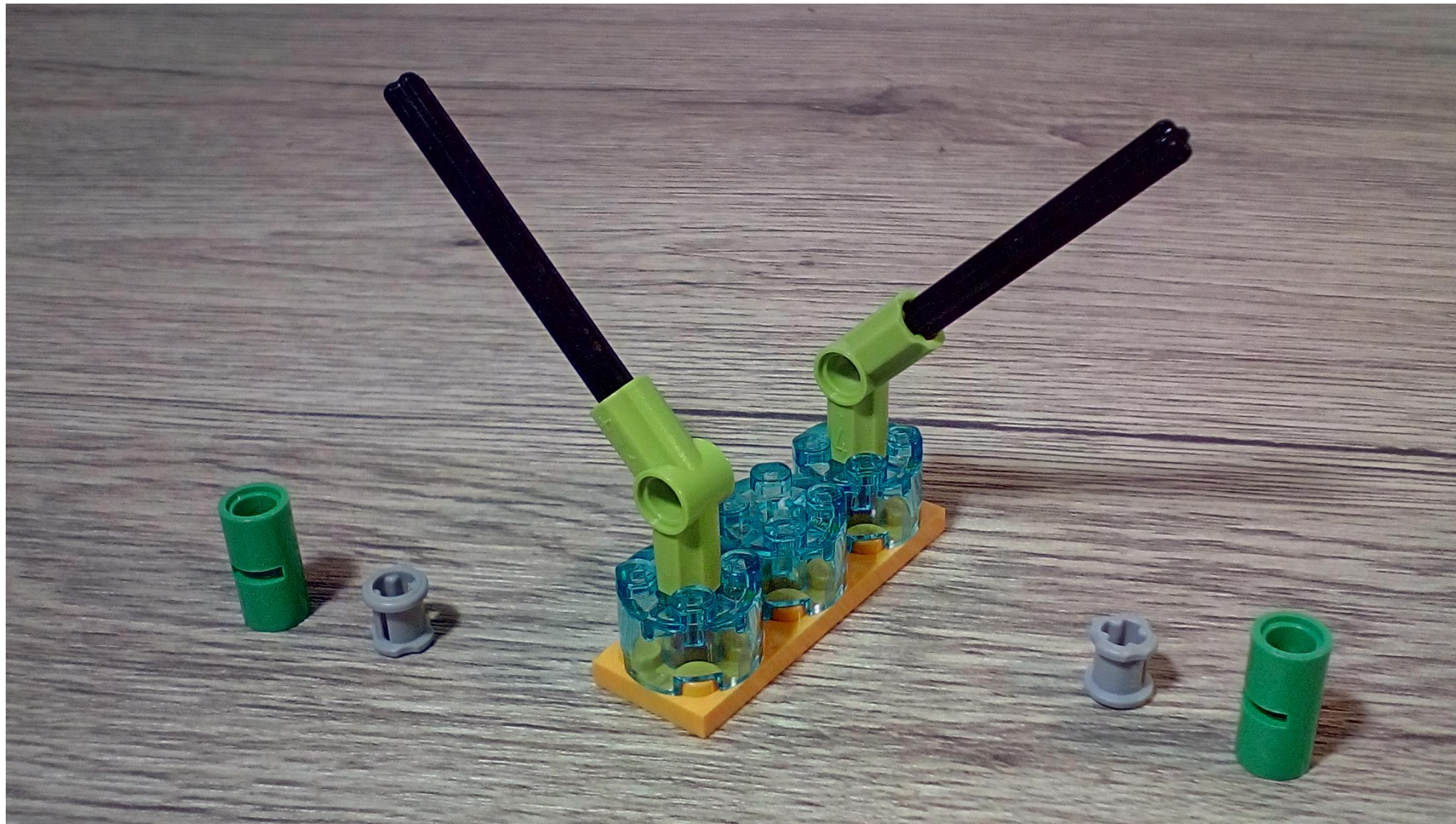
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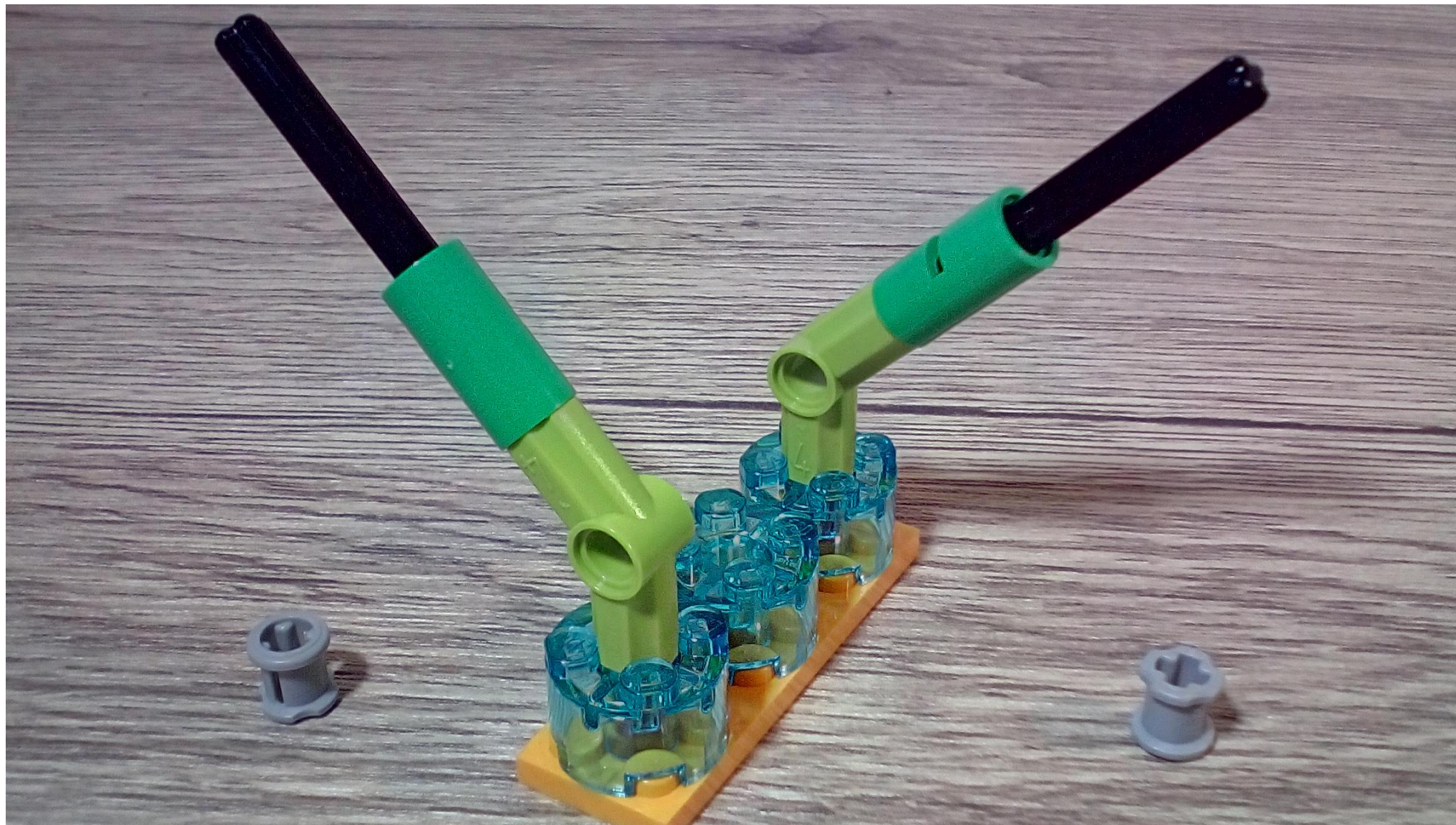
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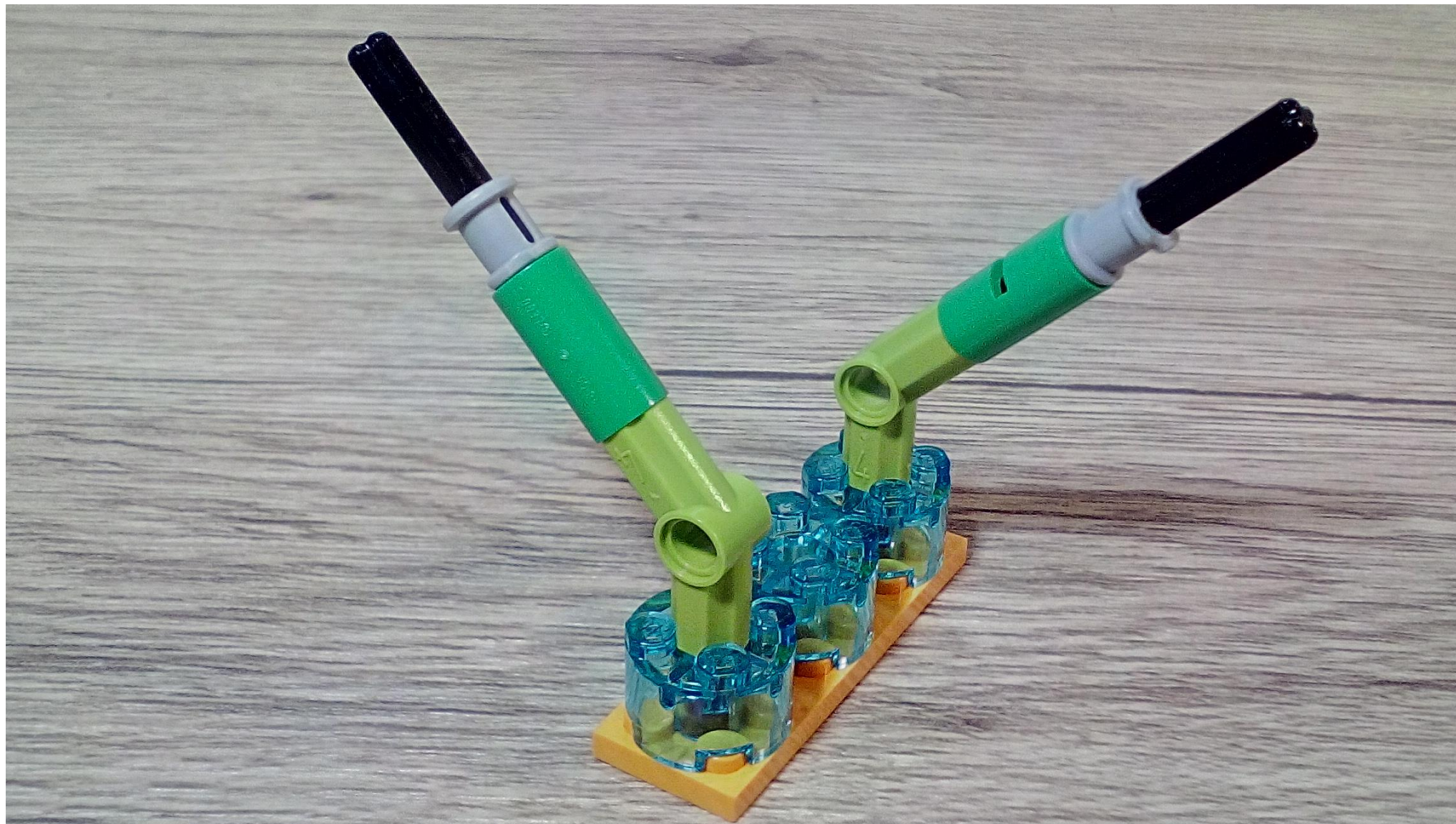
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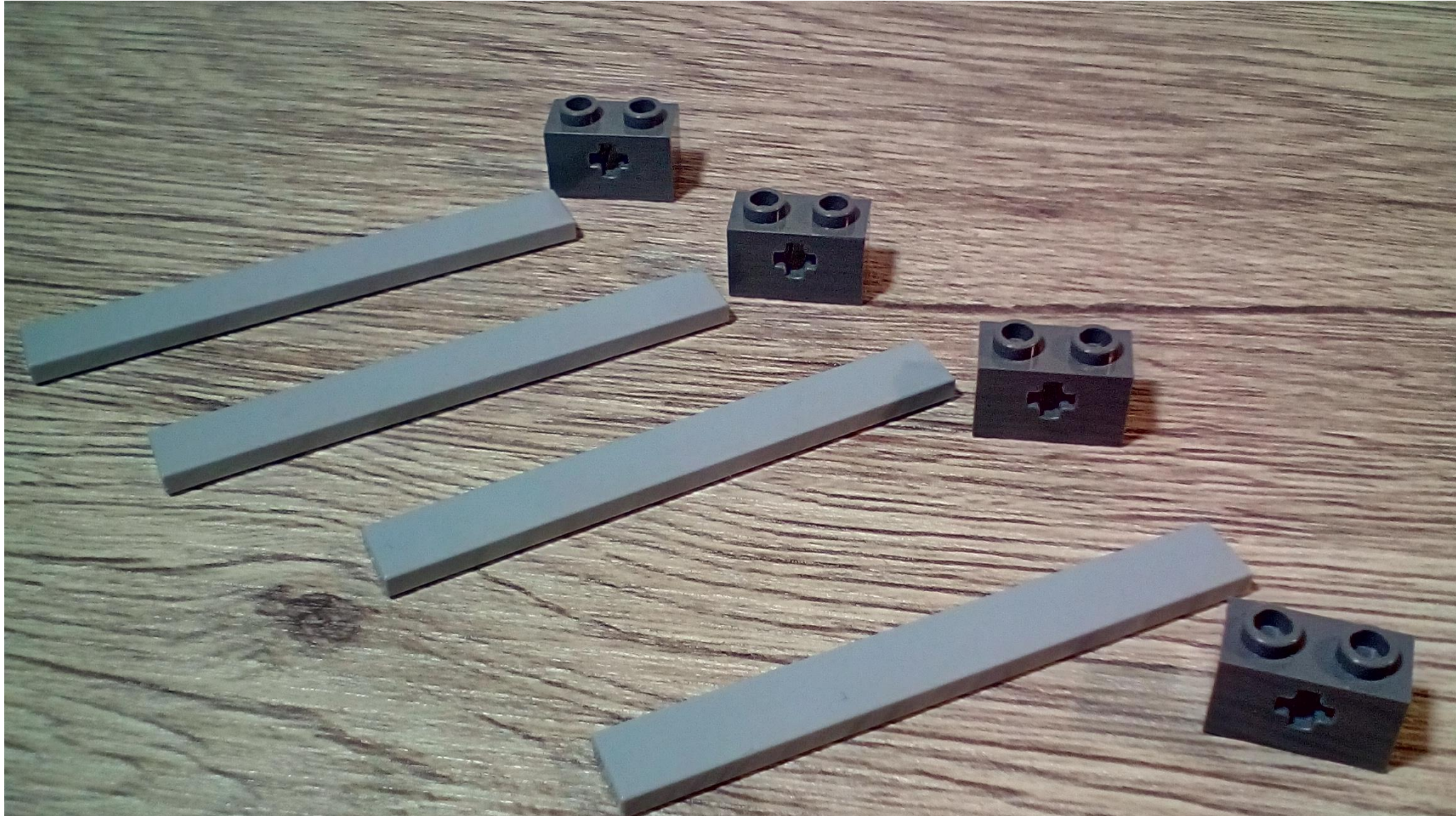
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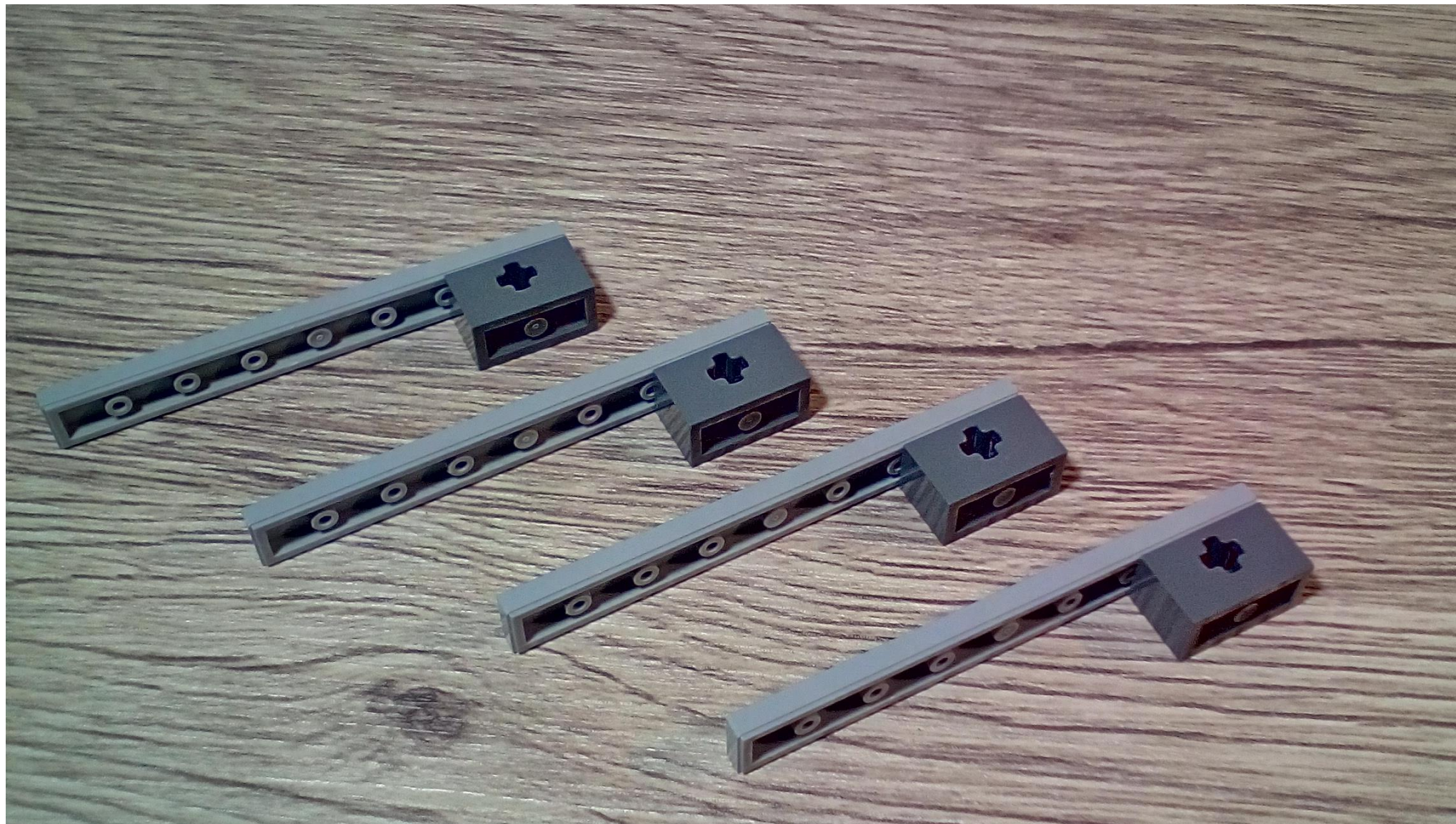
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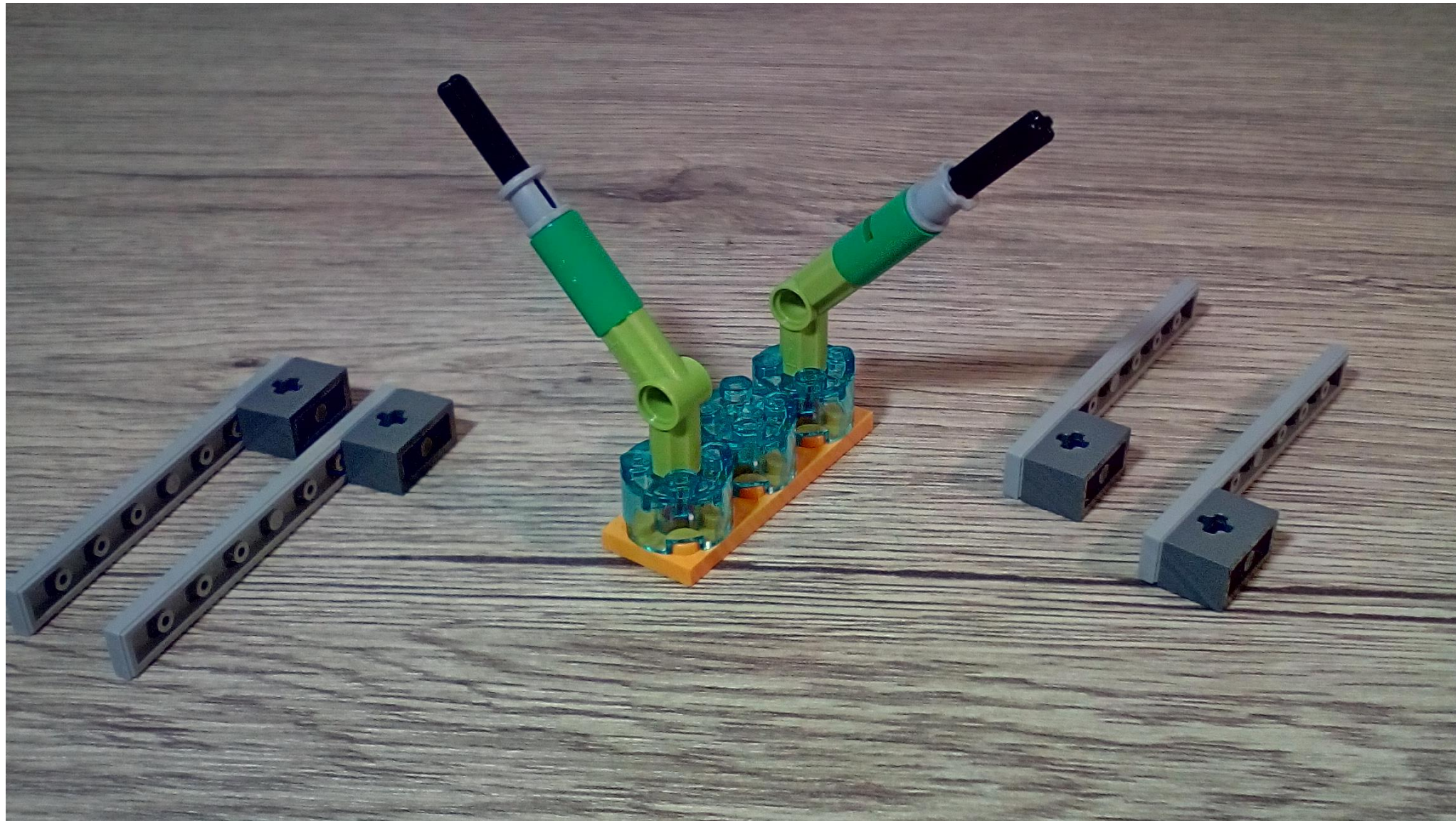
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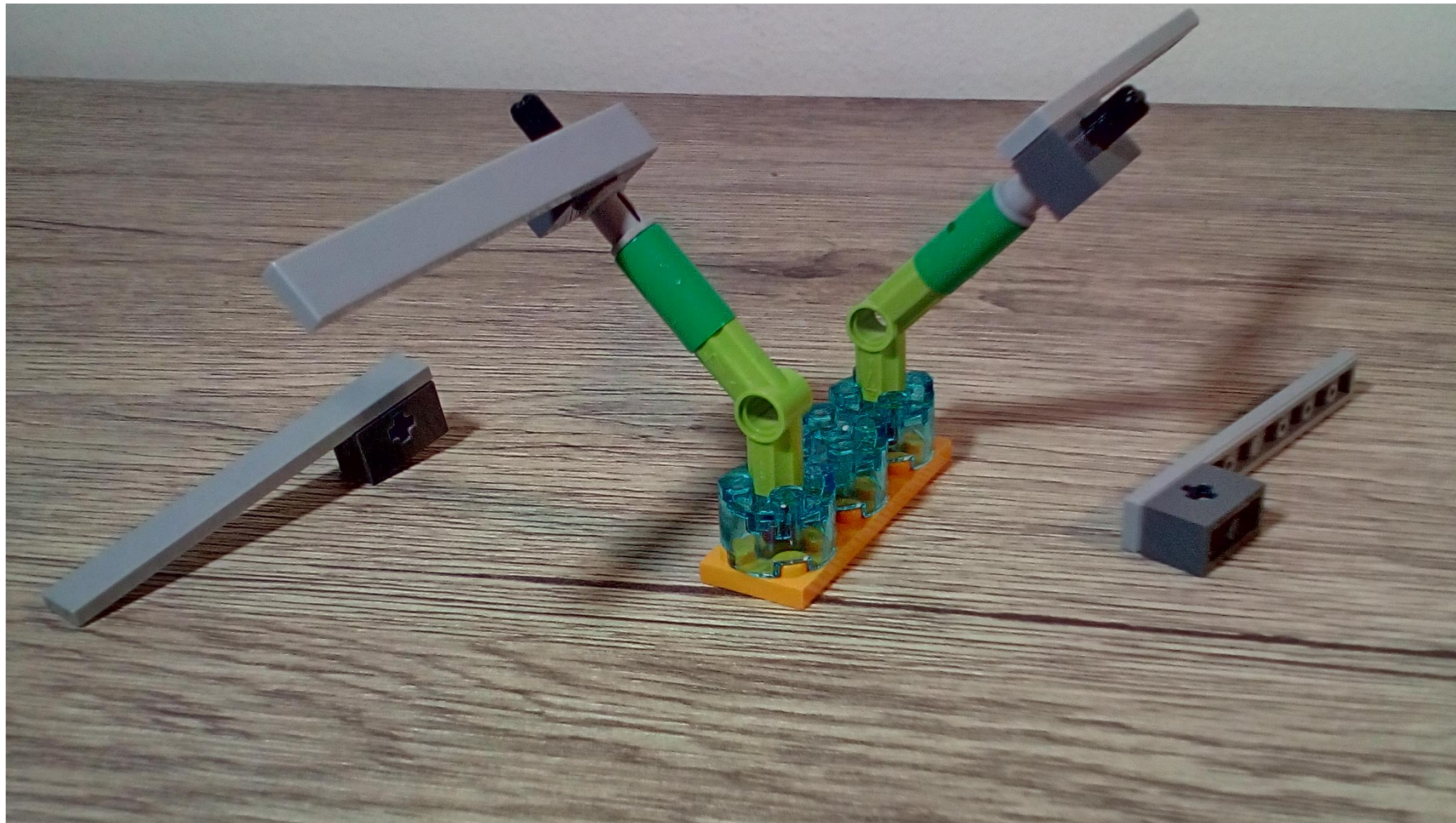
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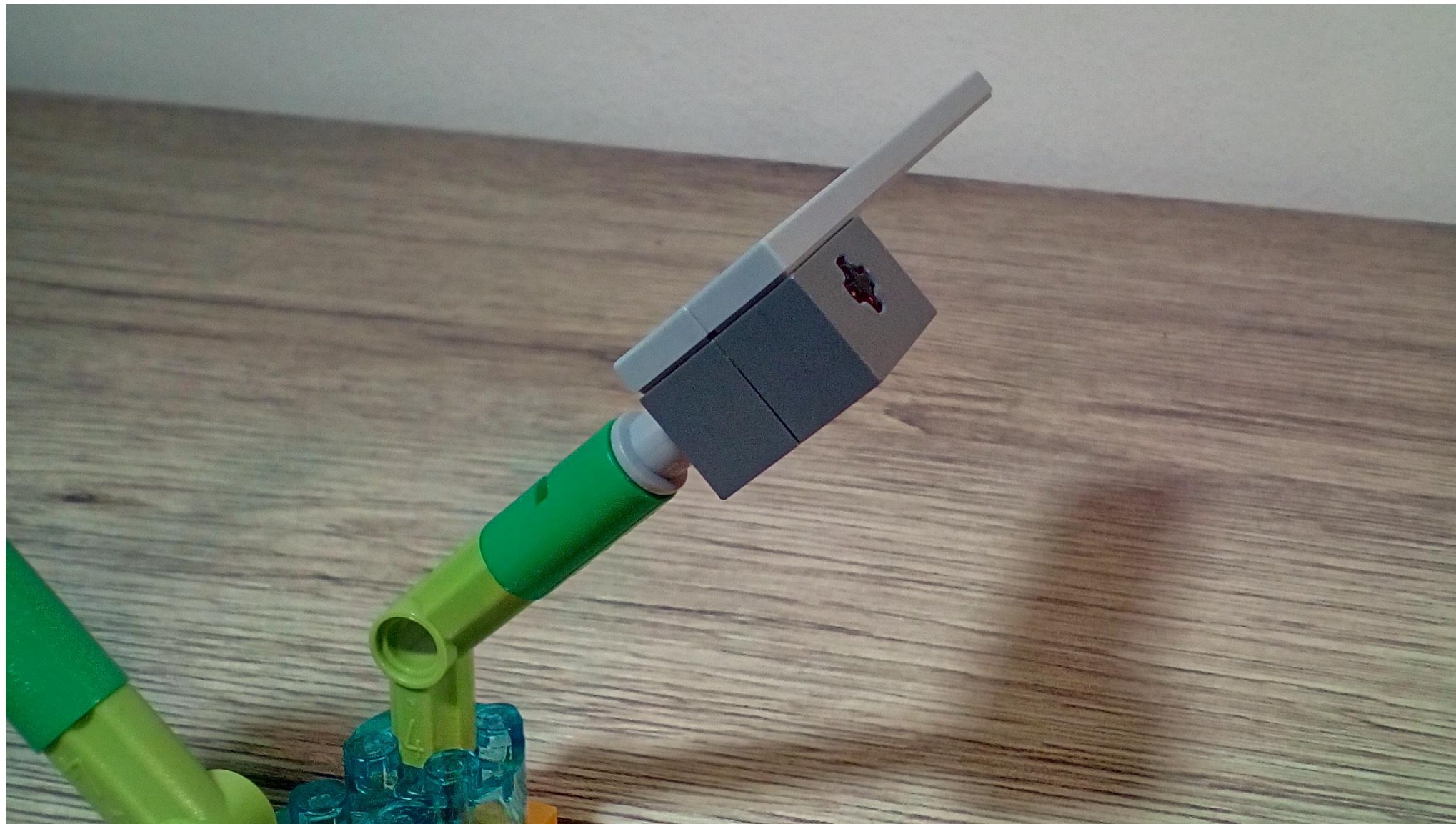
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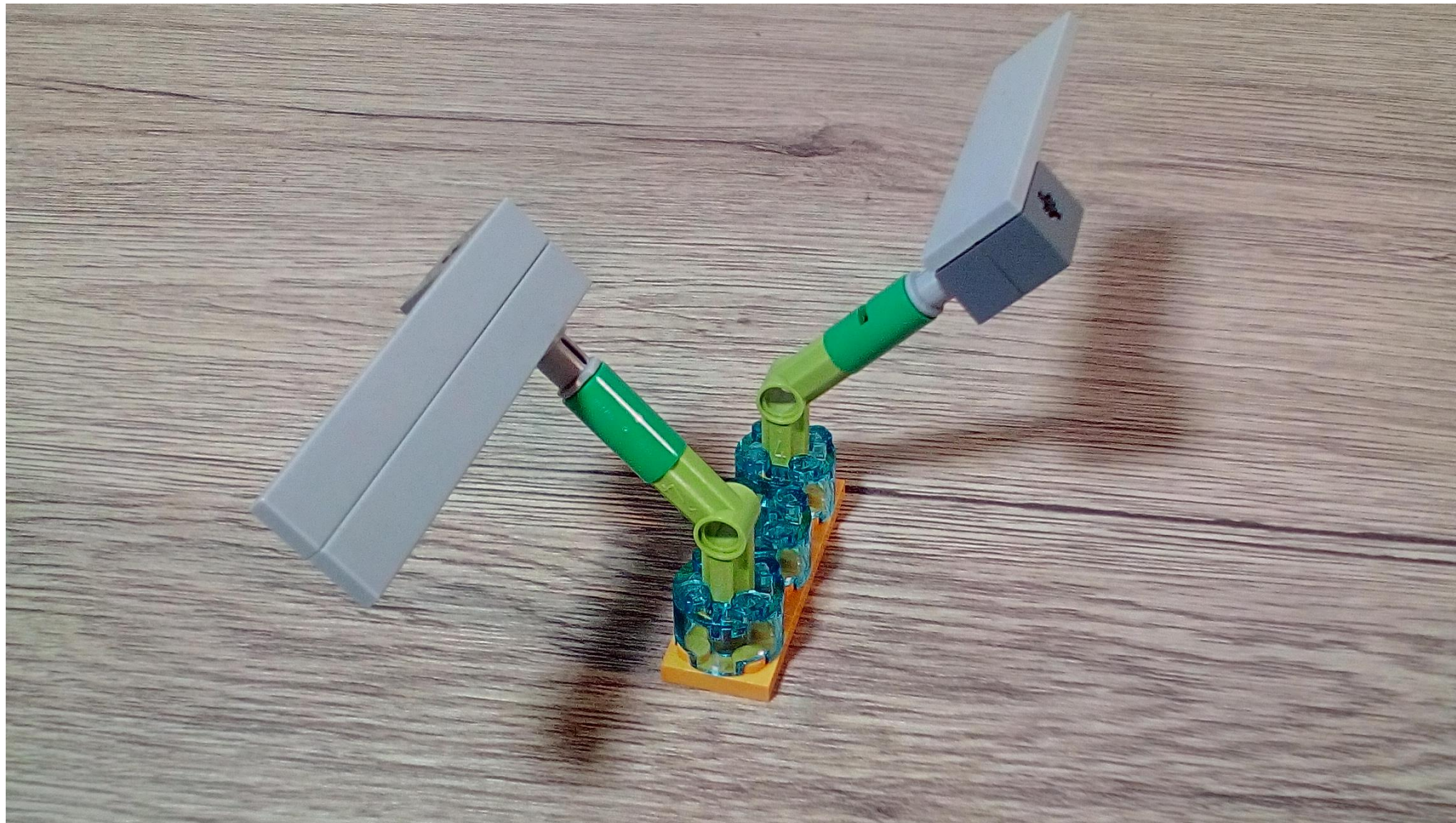
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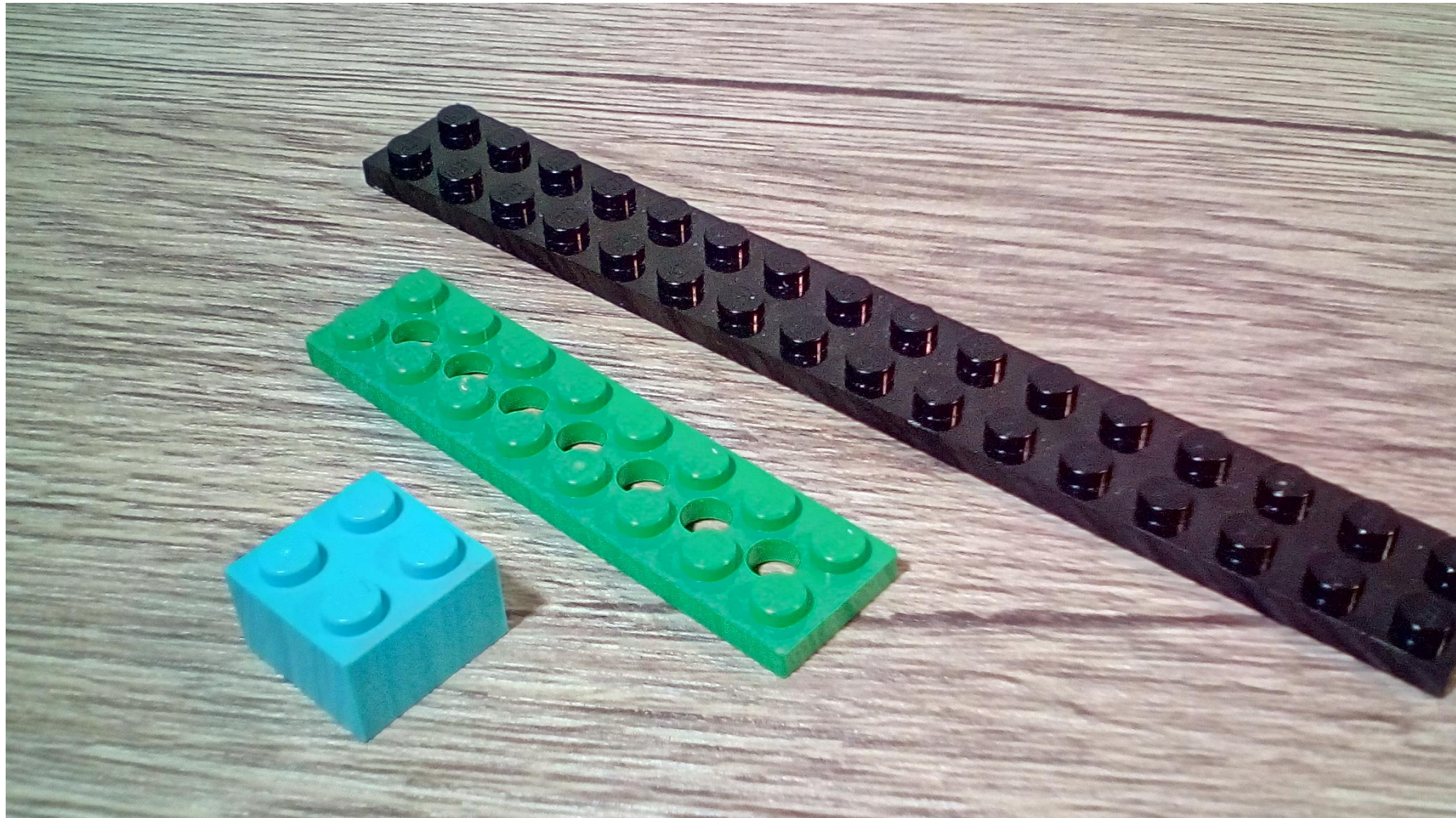
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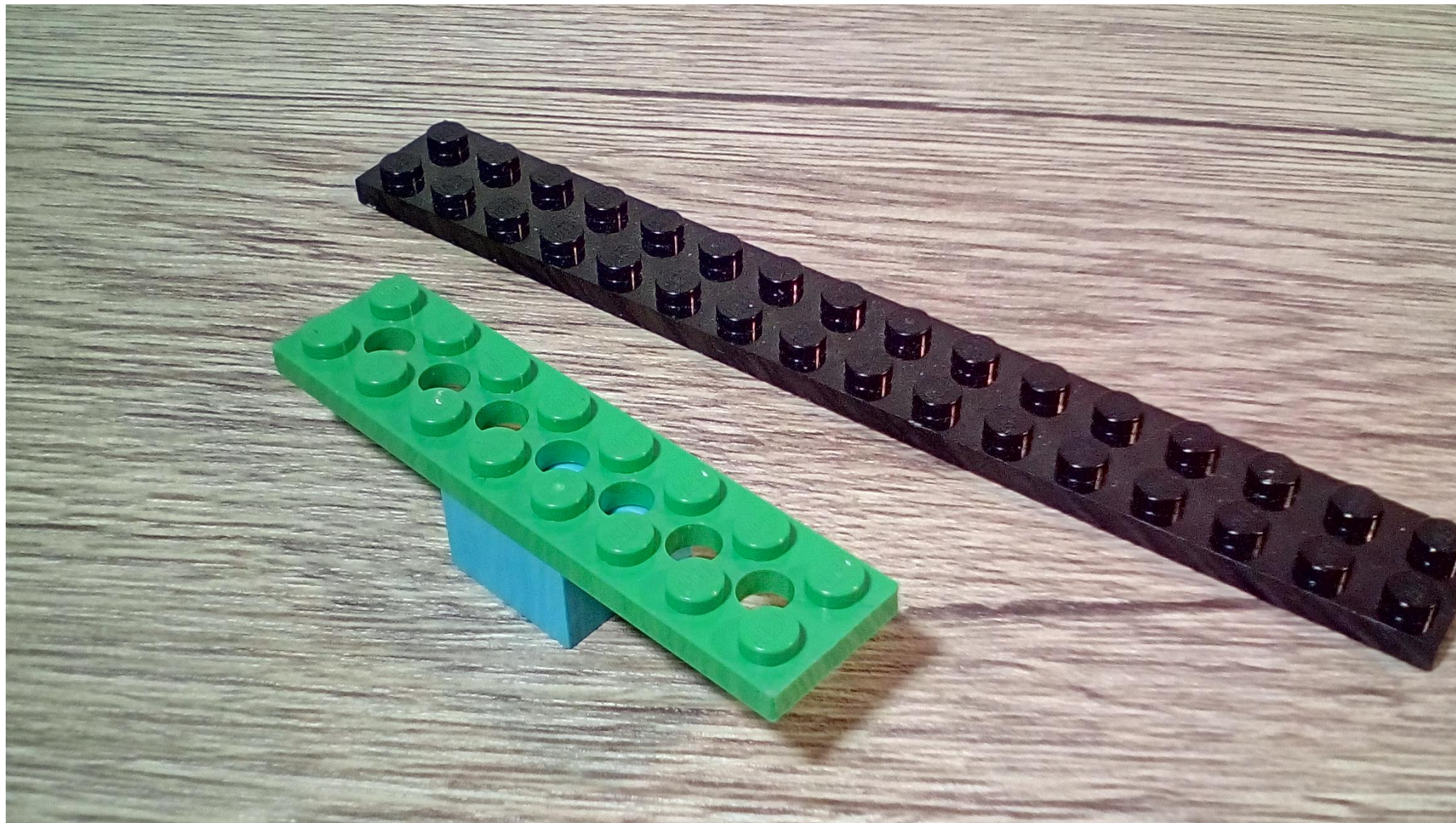
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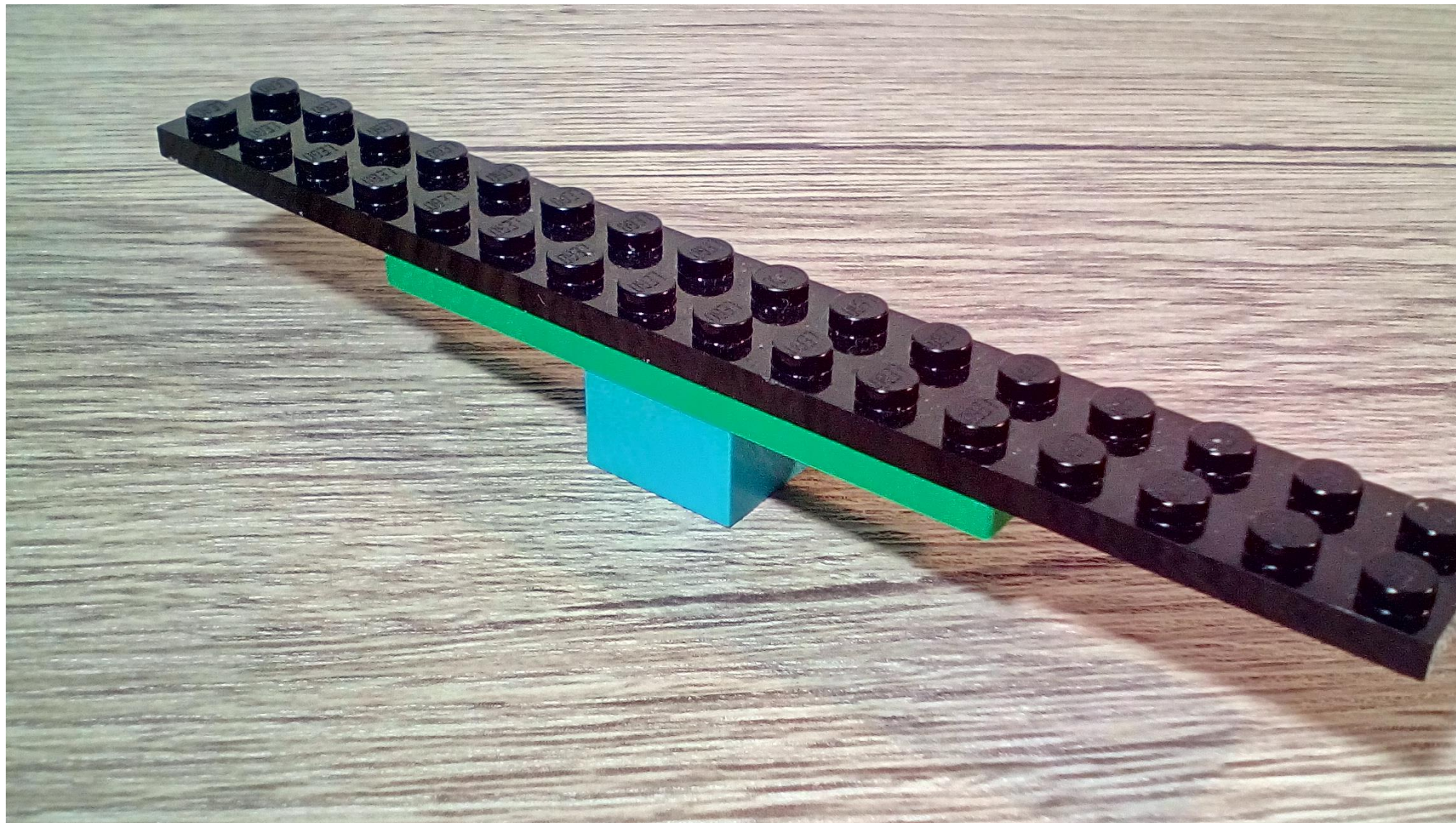
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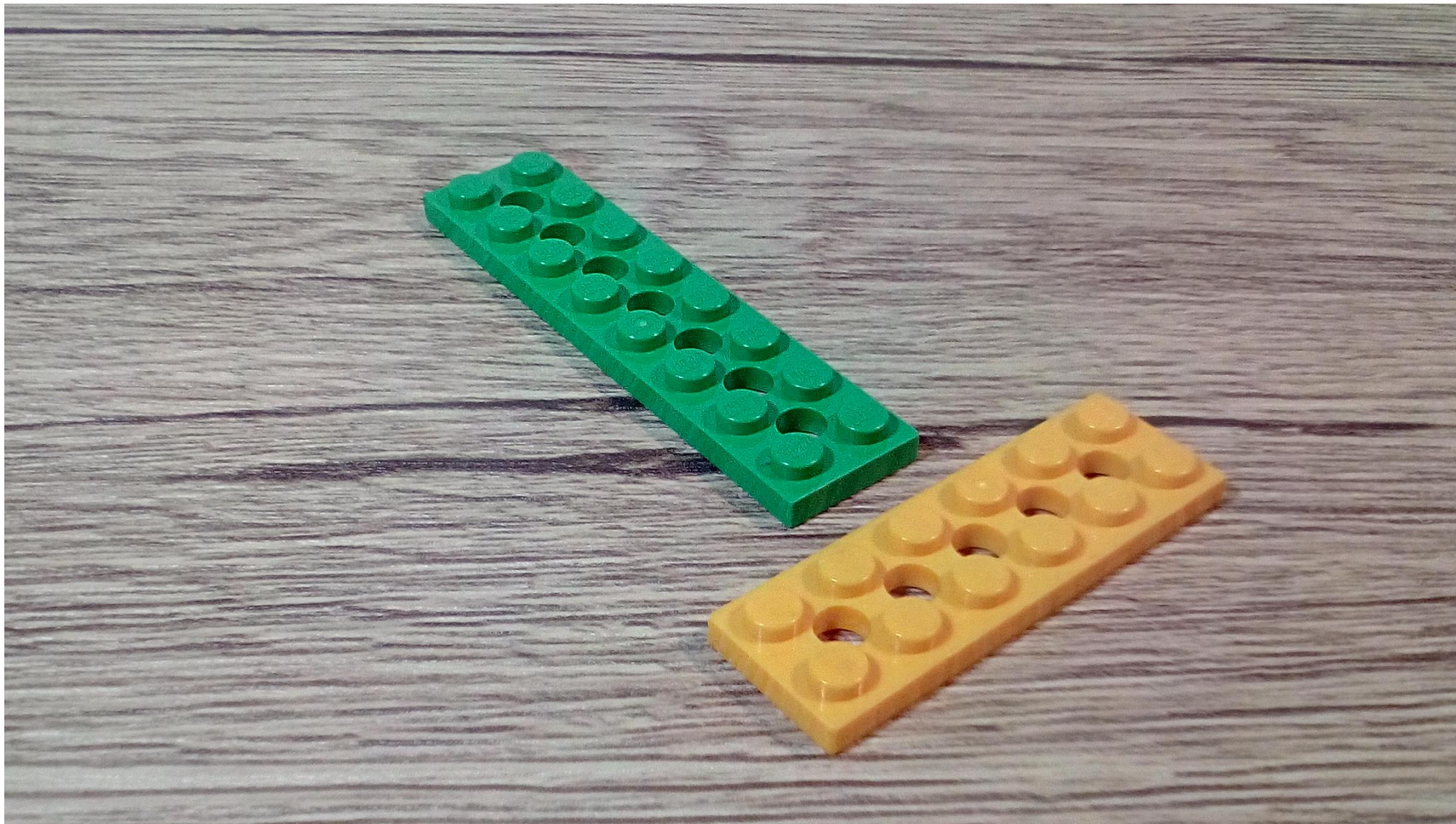
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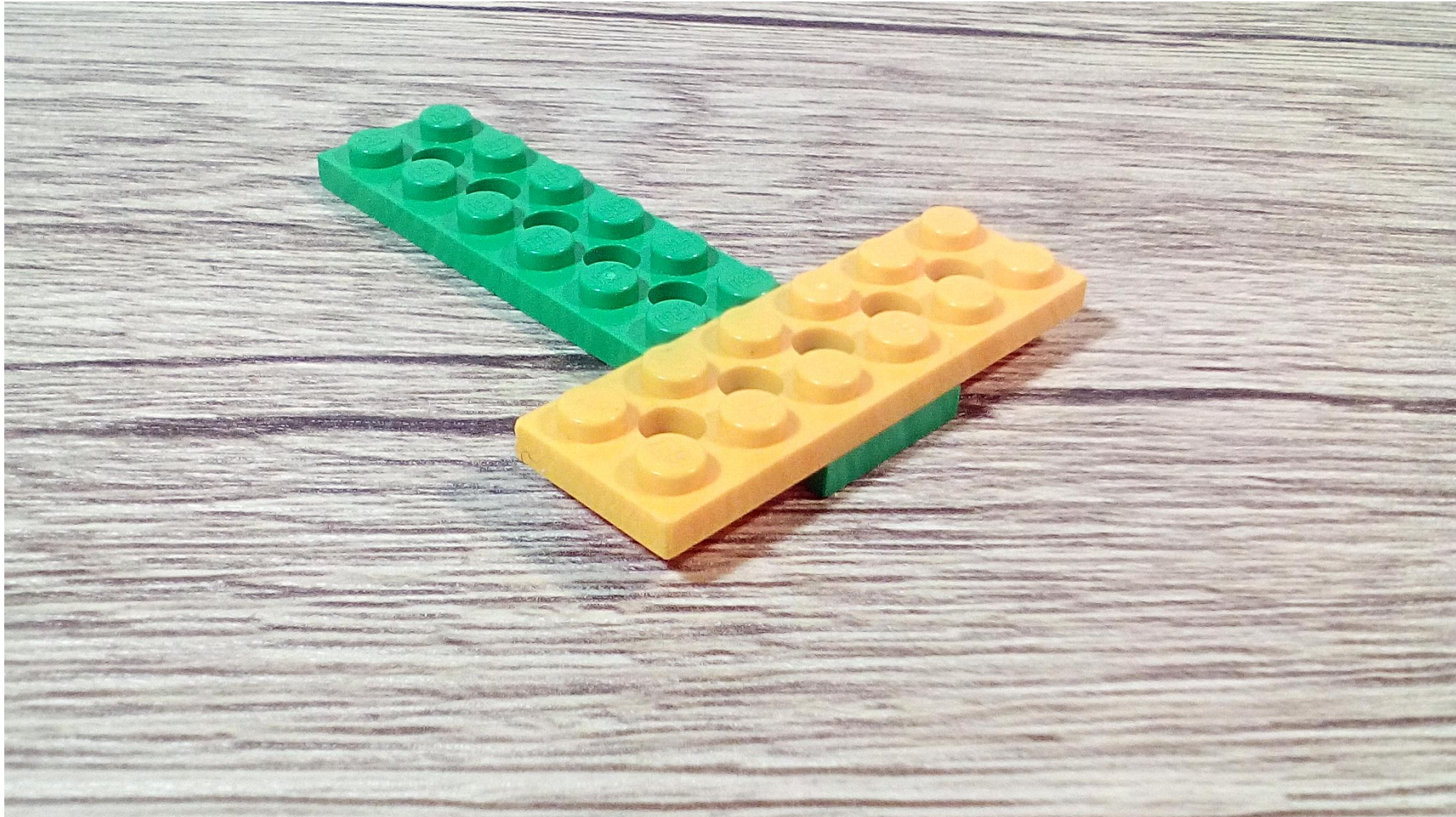
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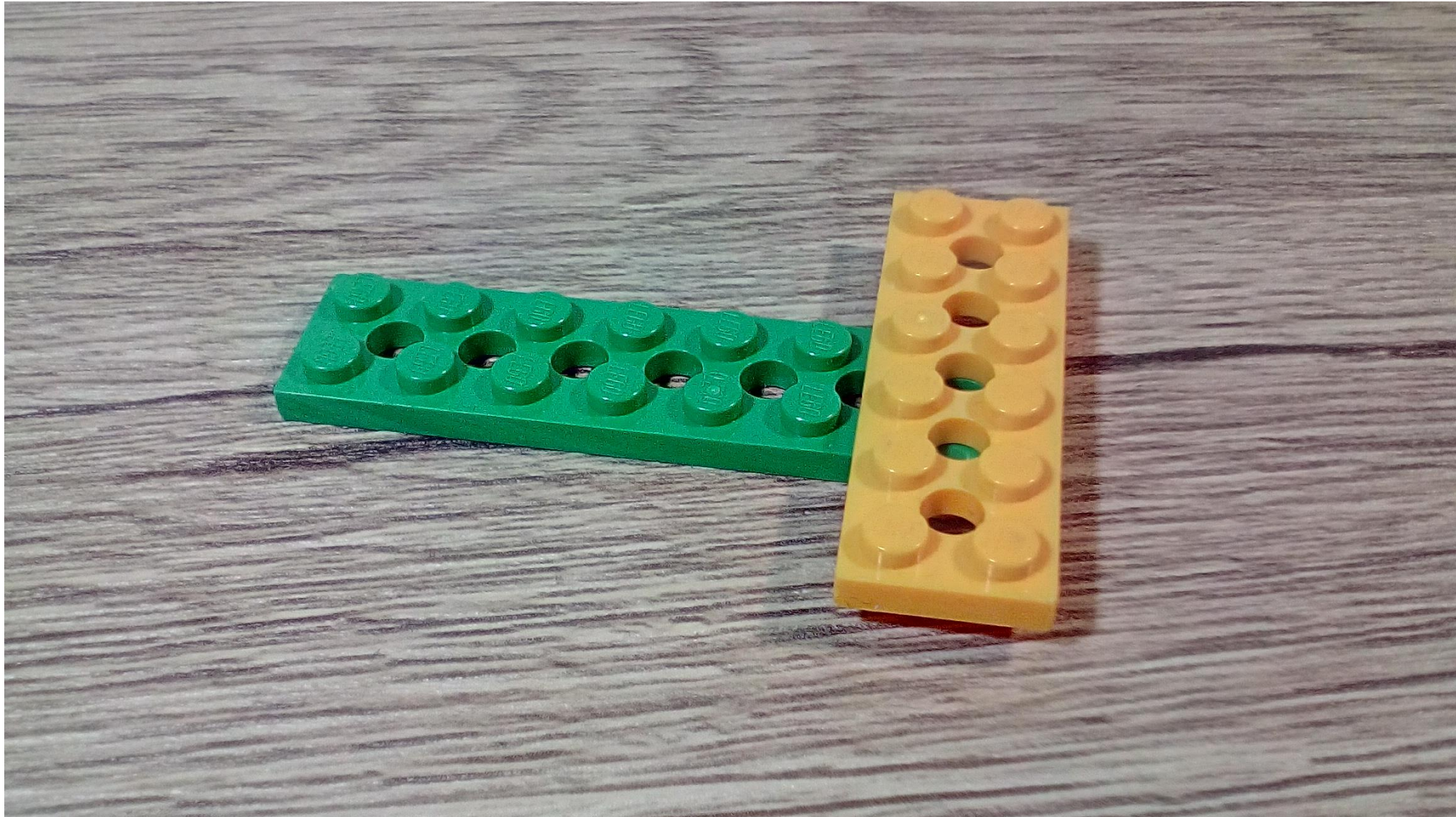
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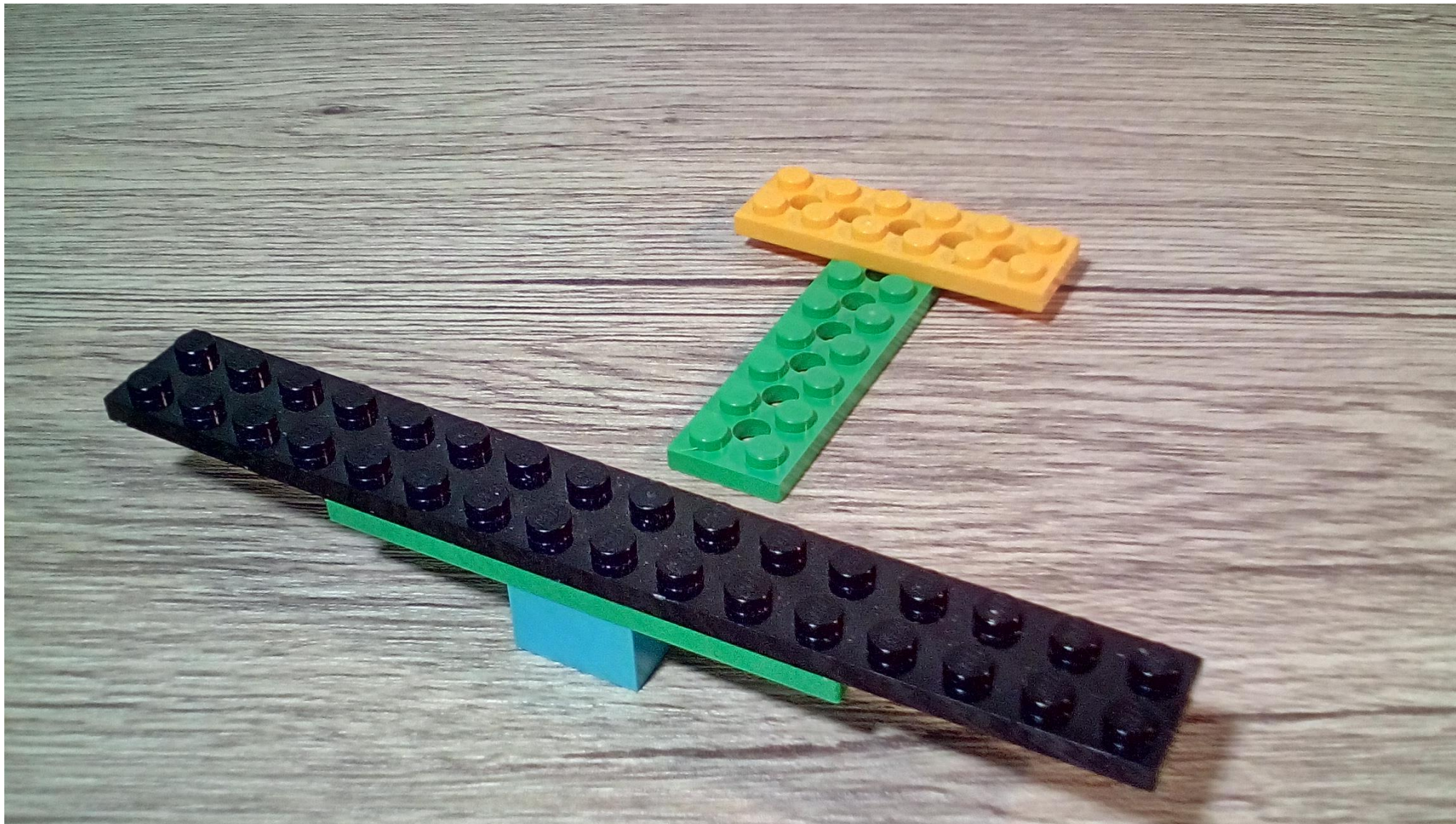
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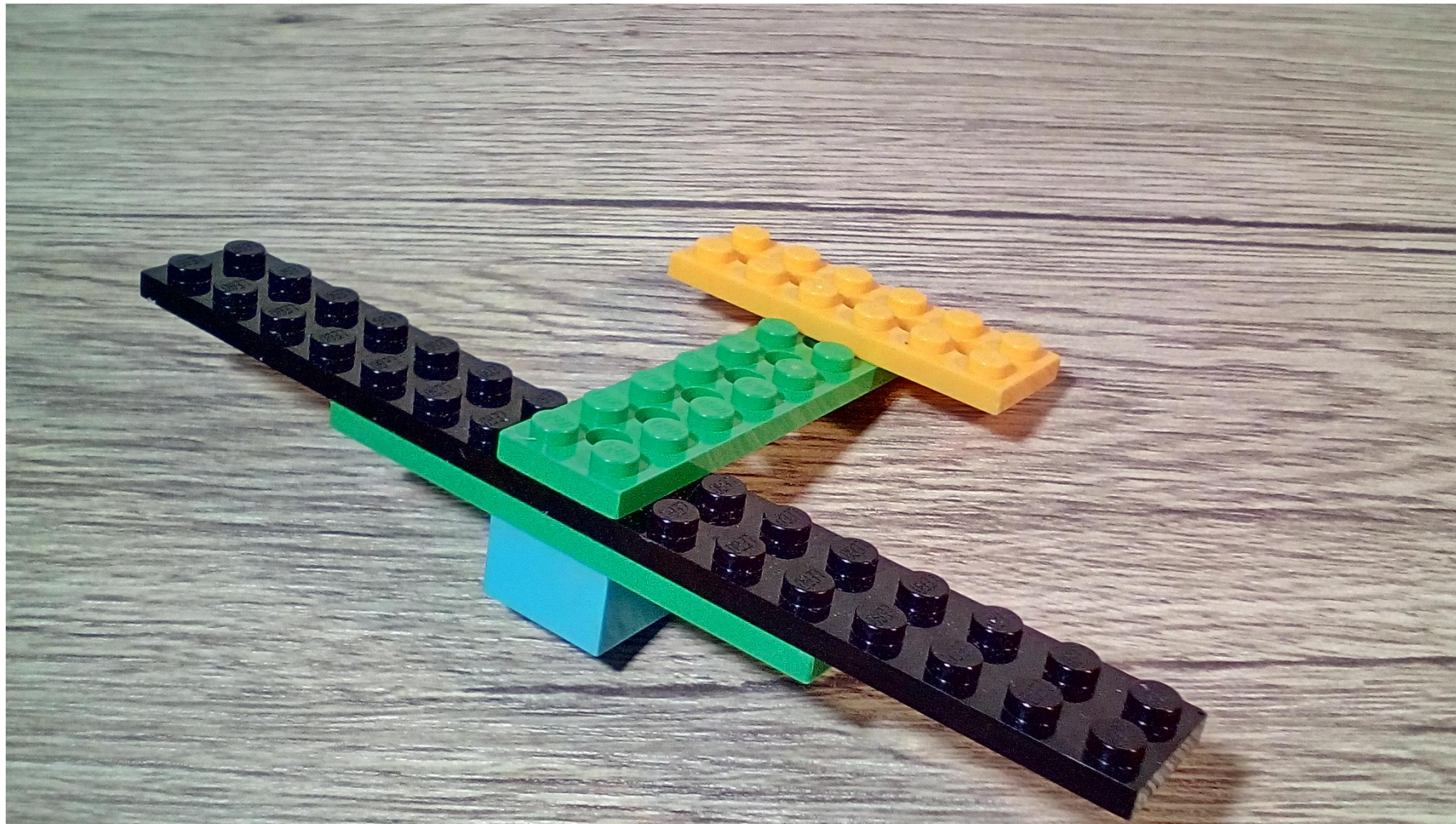
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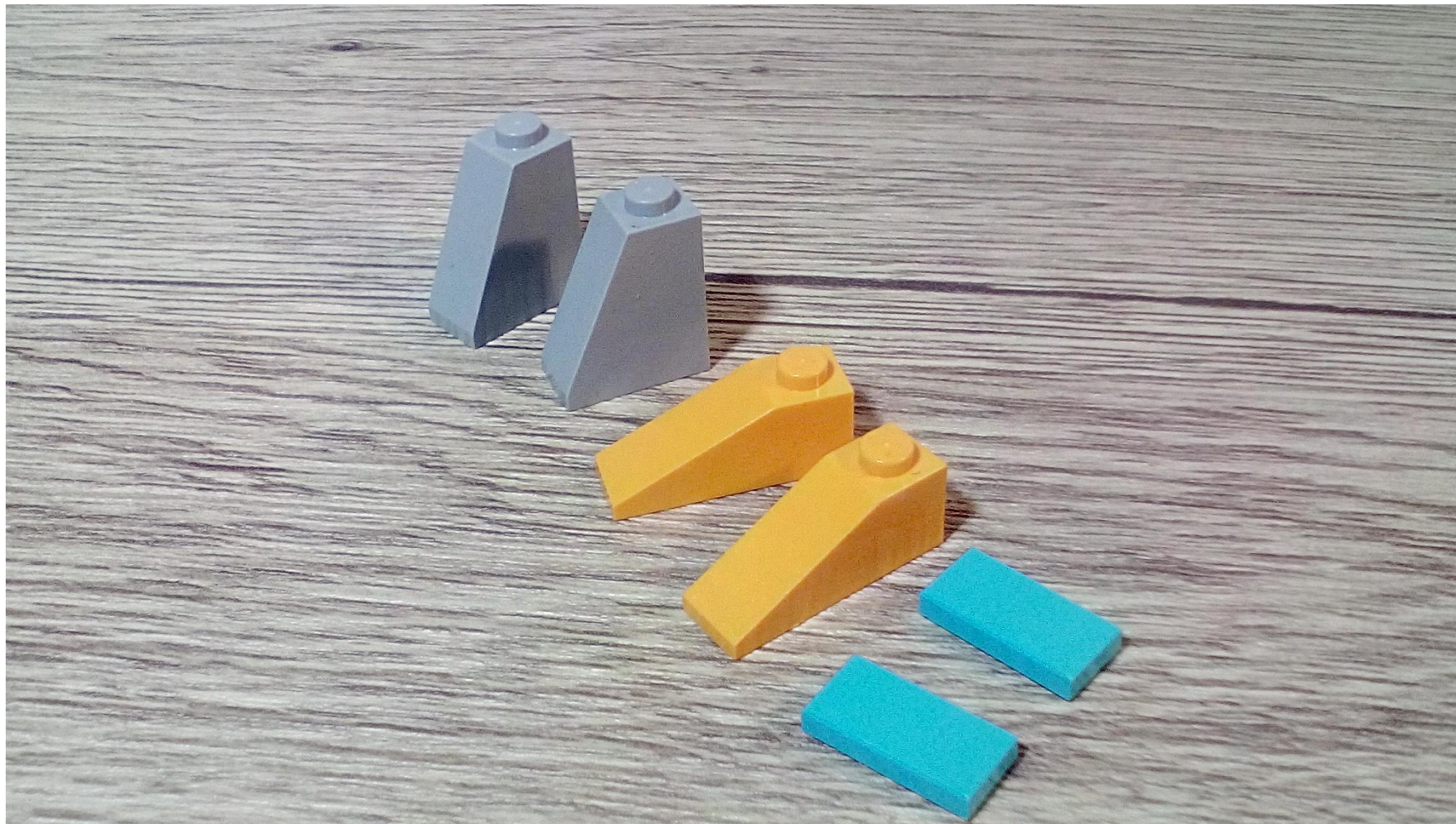
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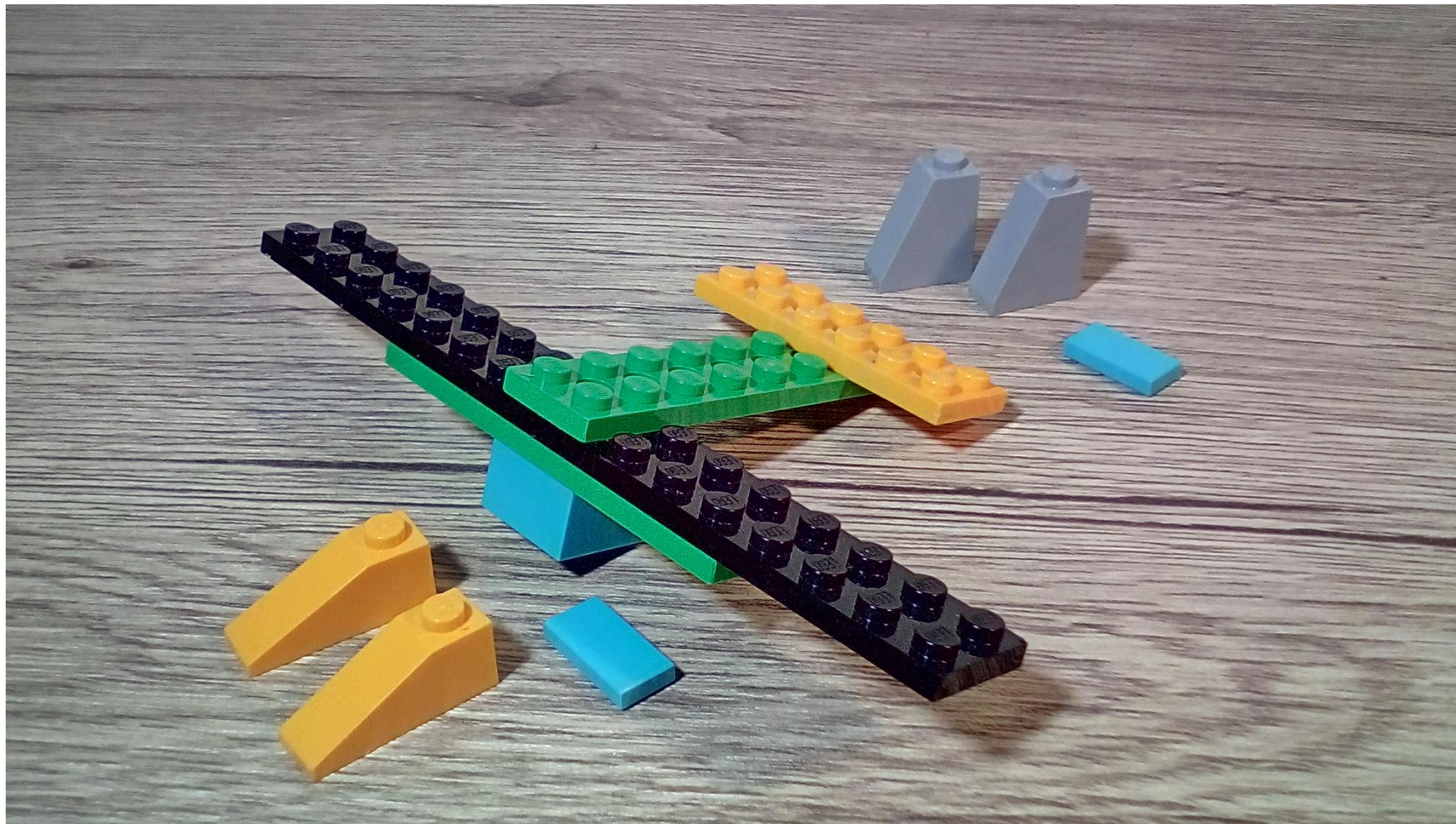
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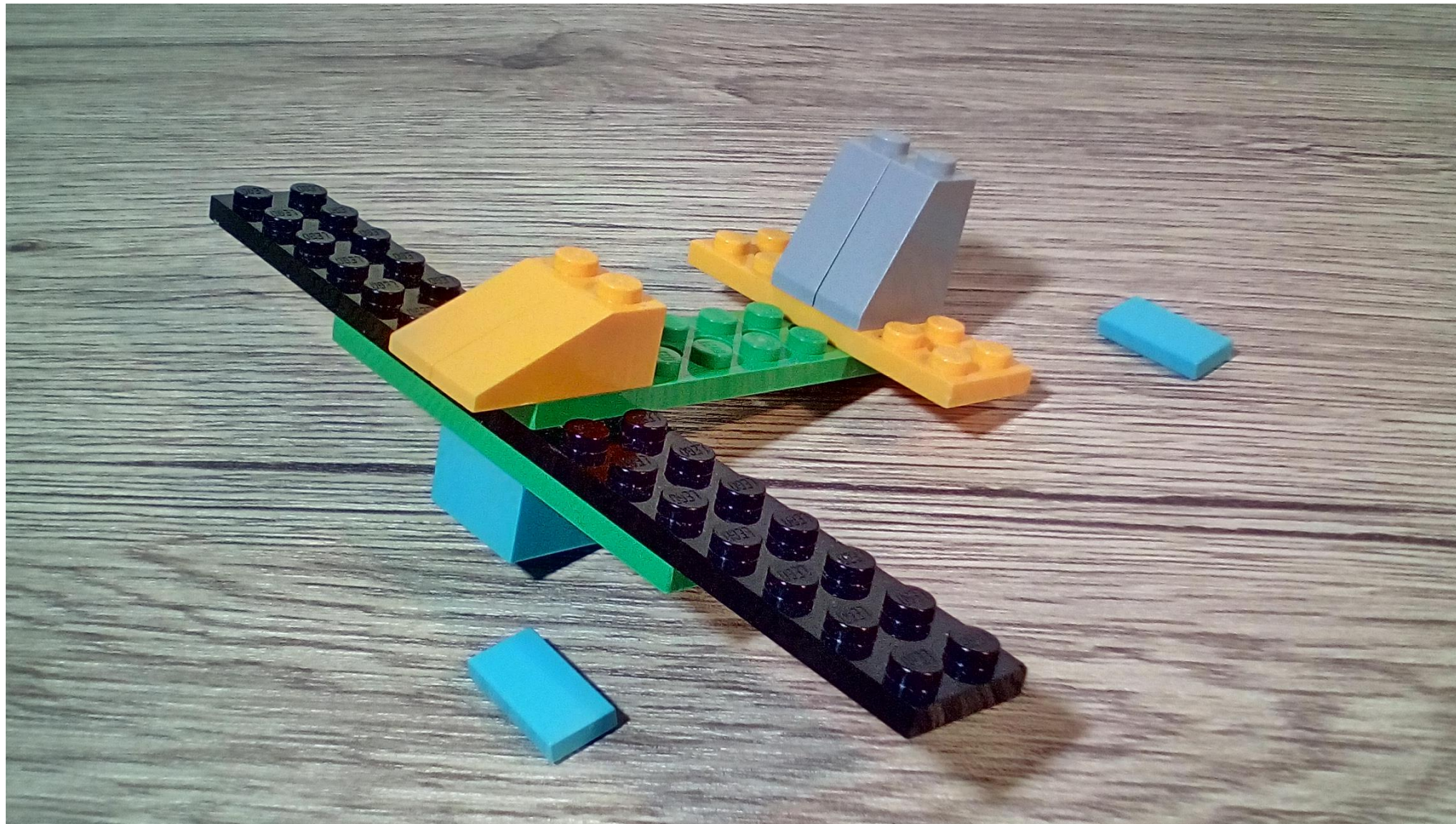
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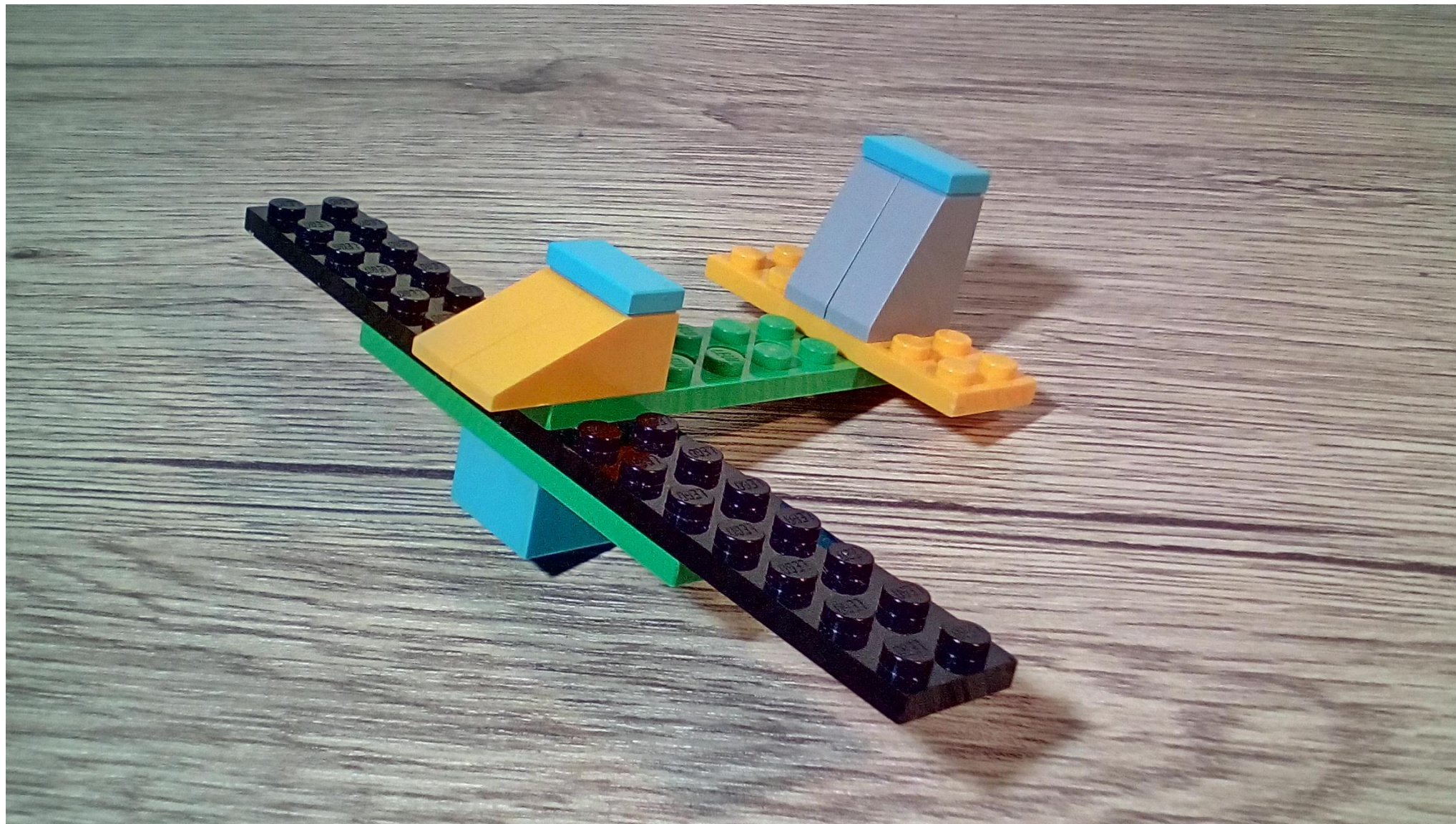
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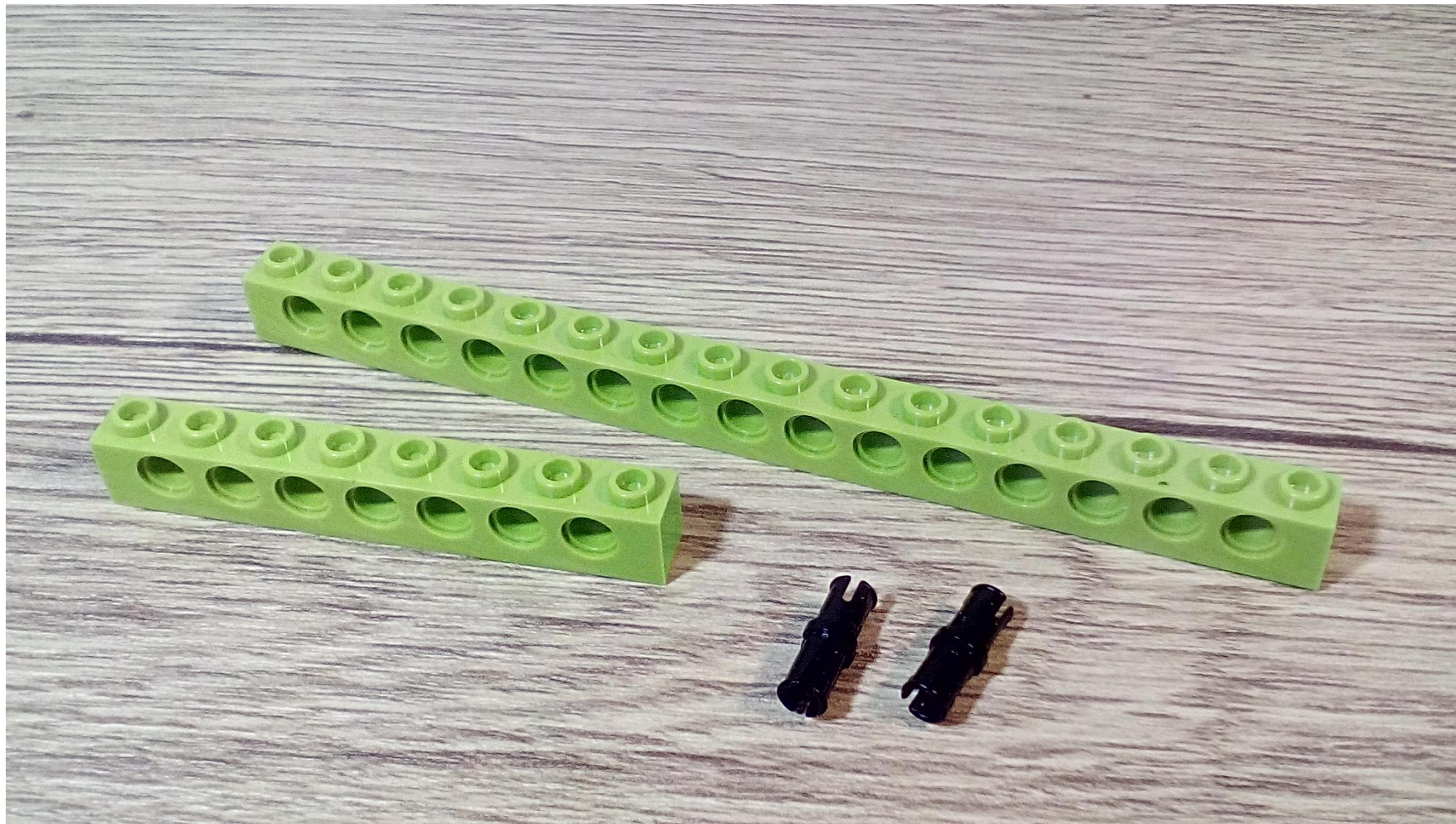
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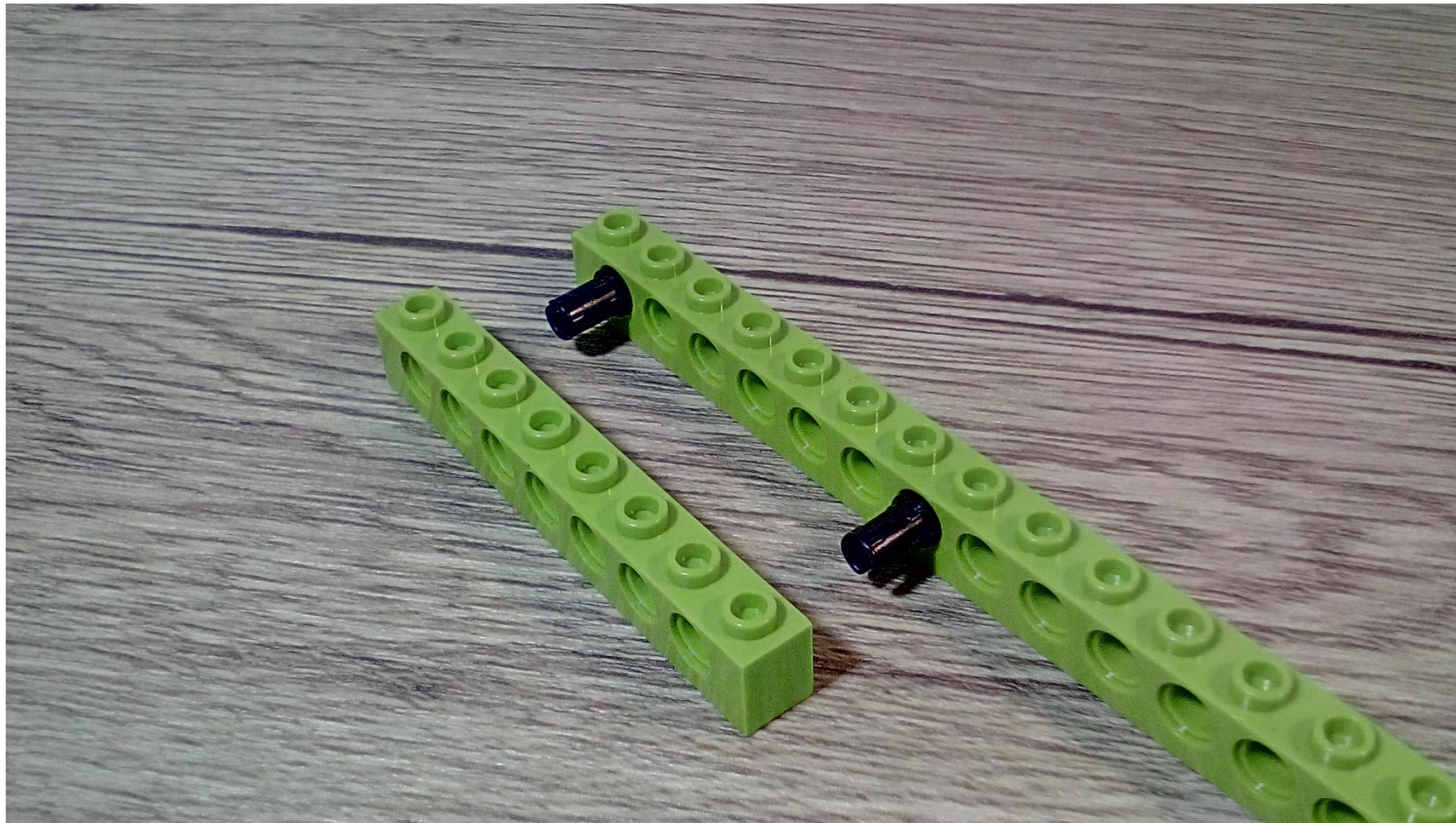
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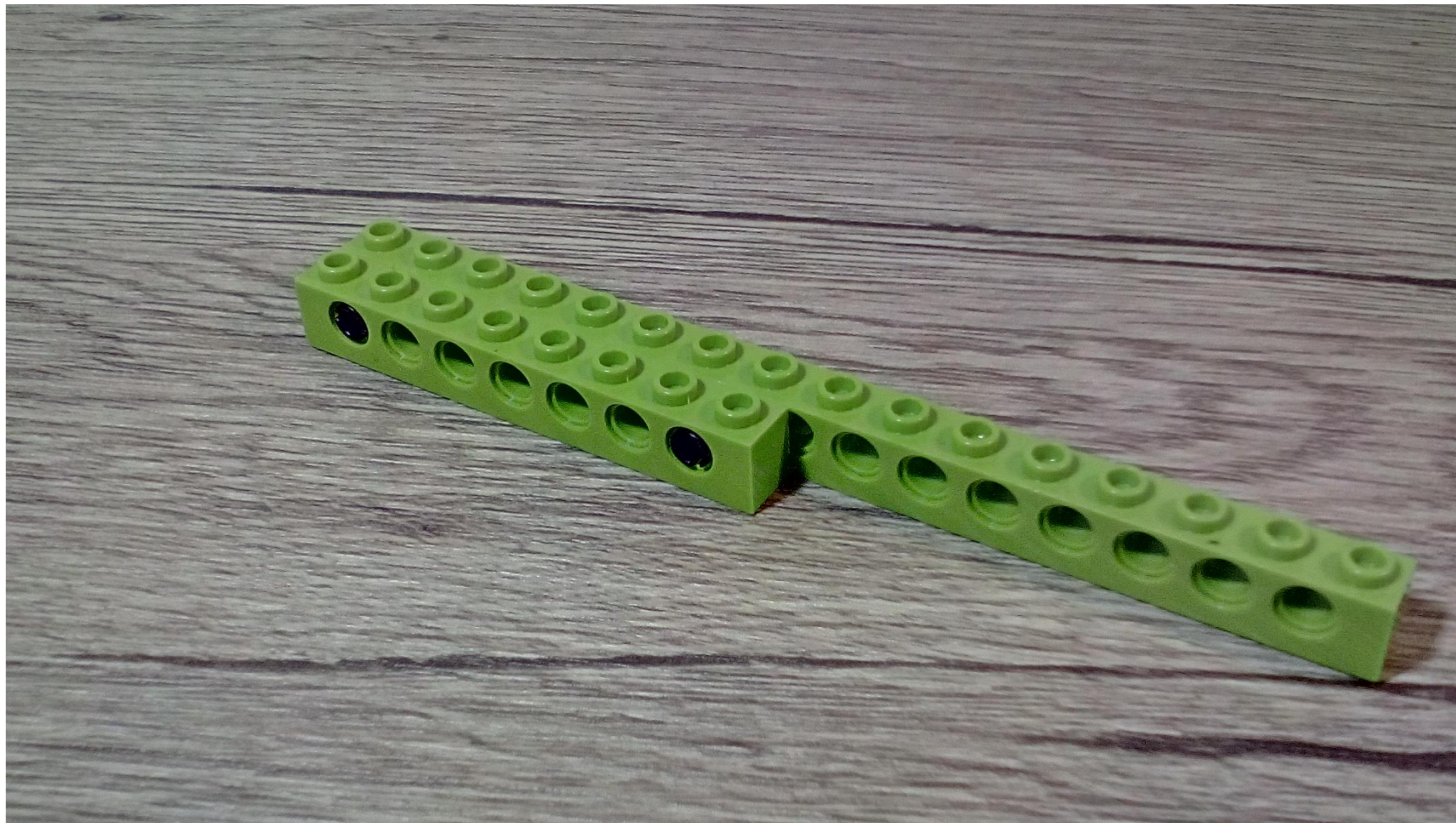
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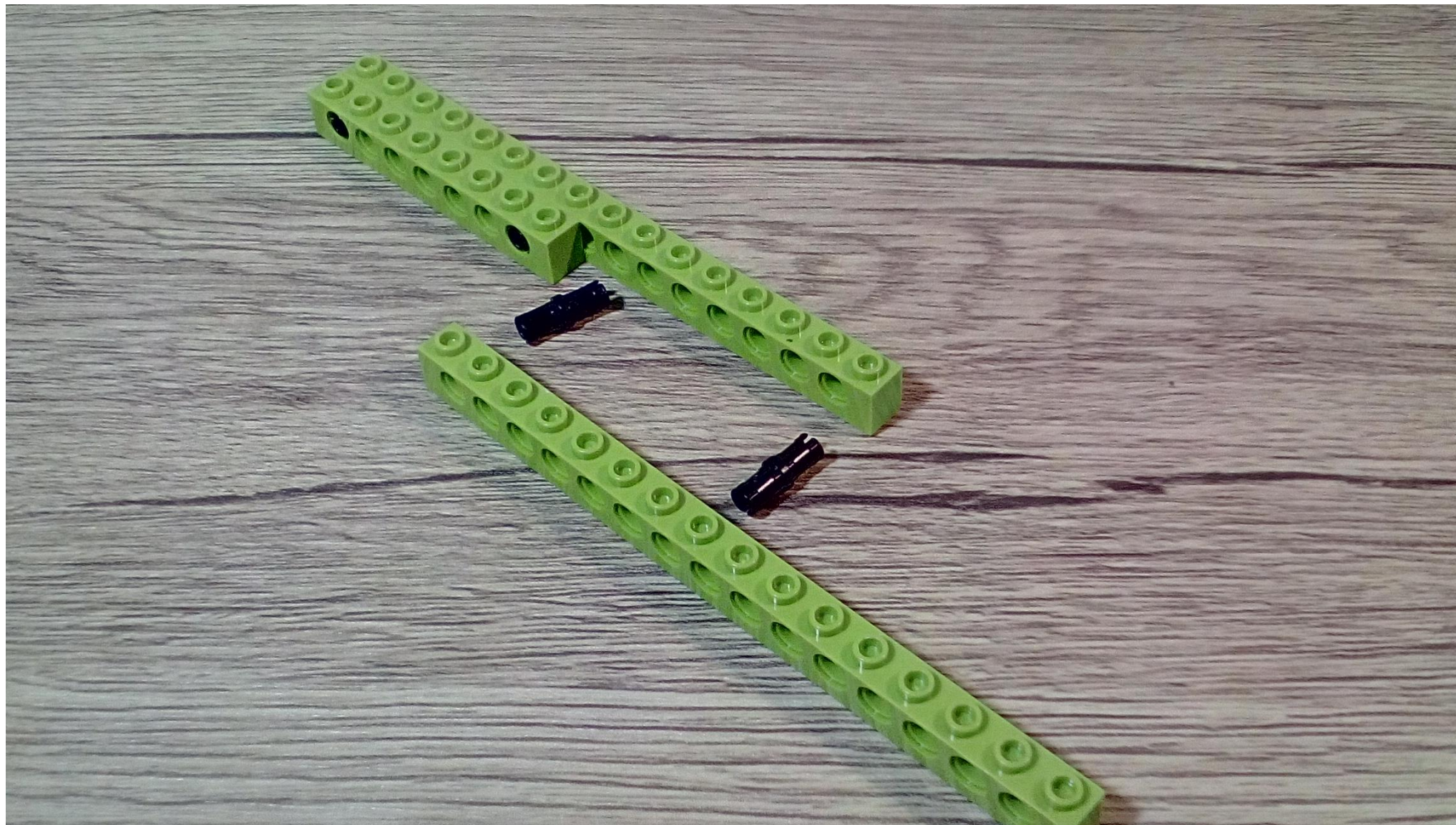
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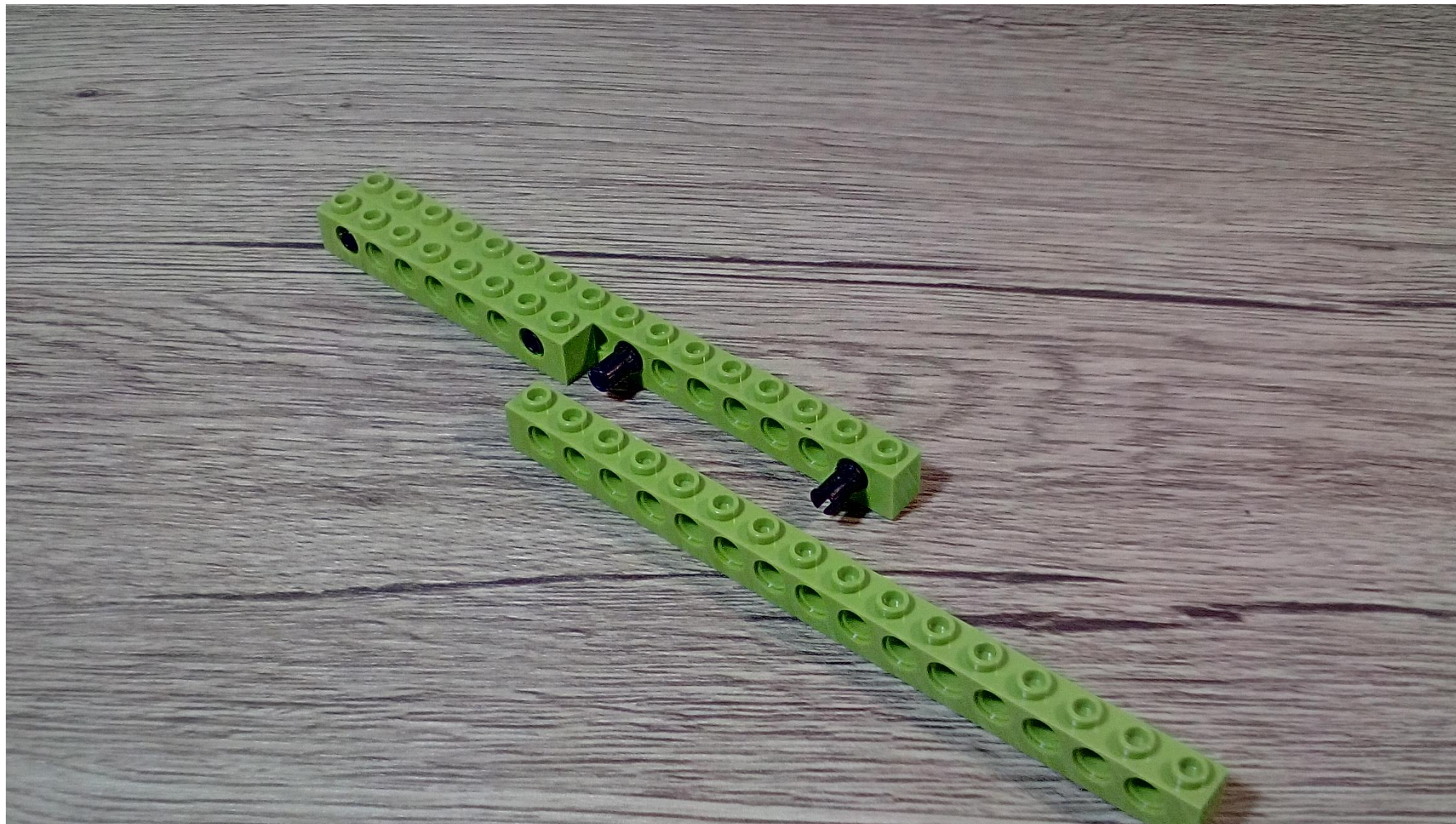
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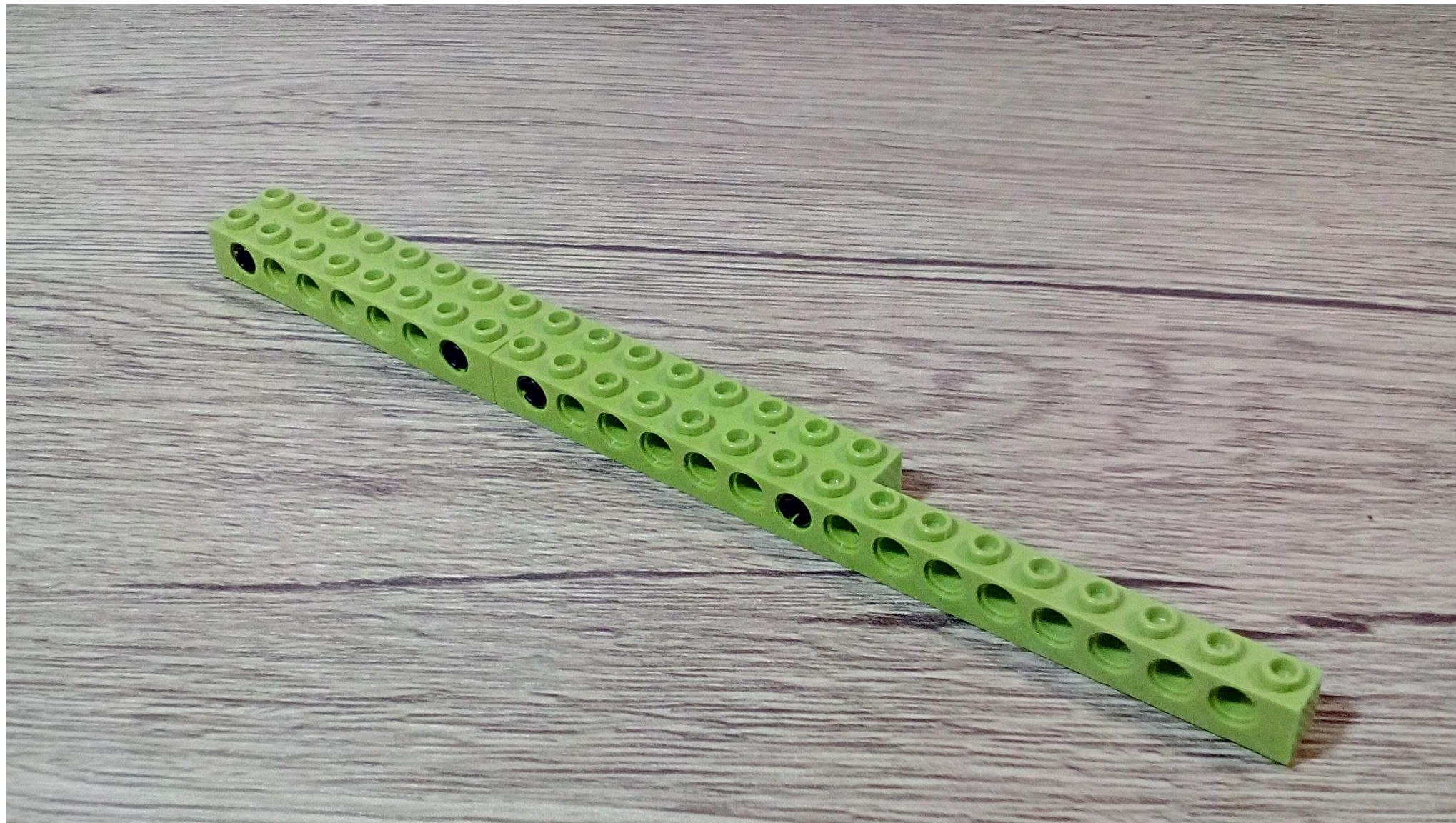
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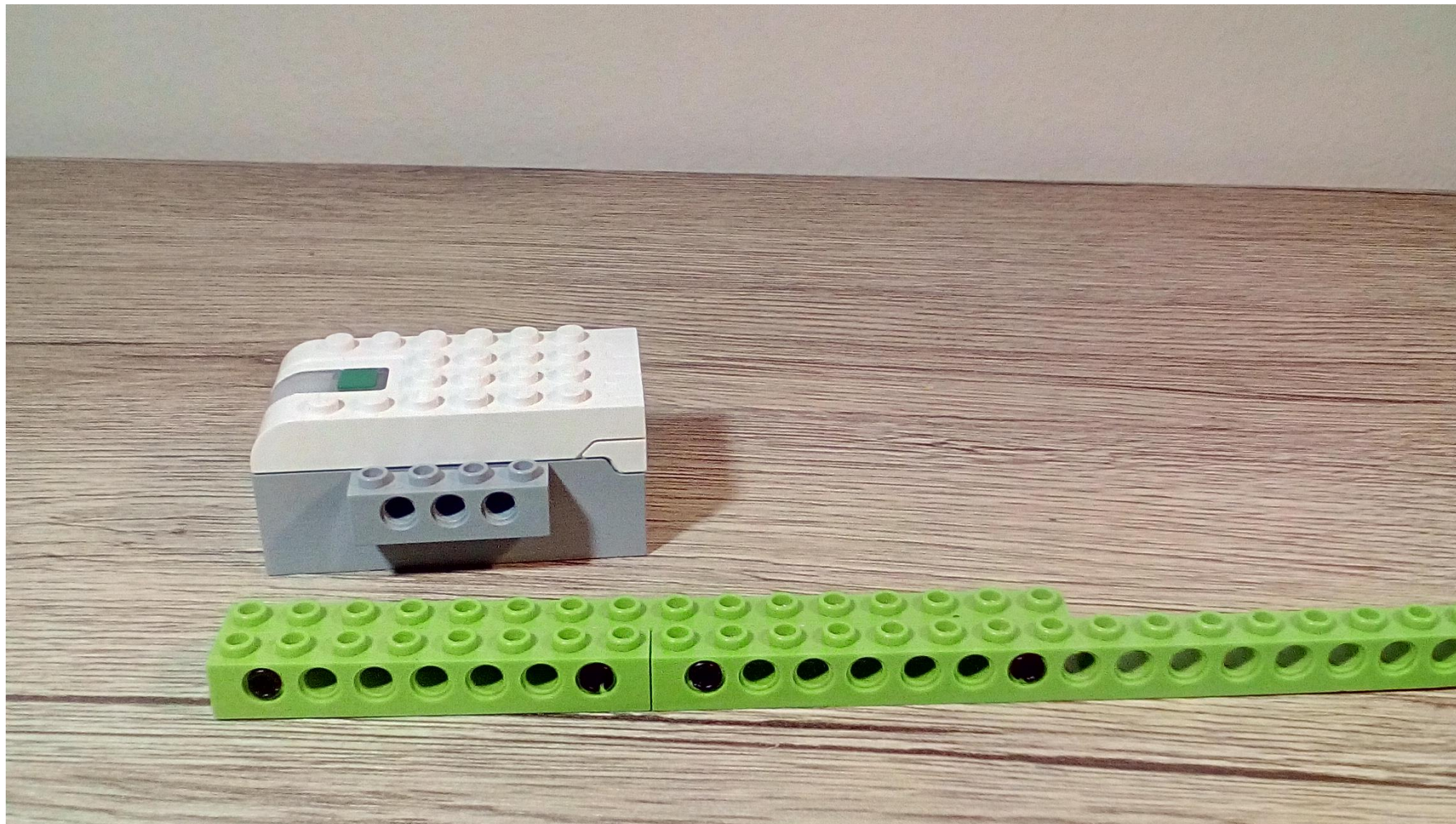
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46



47



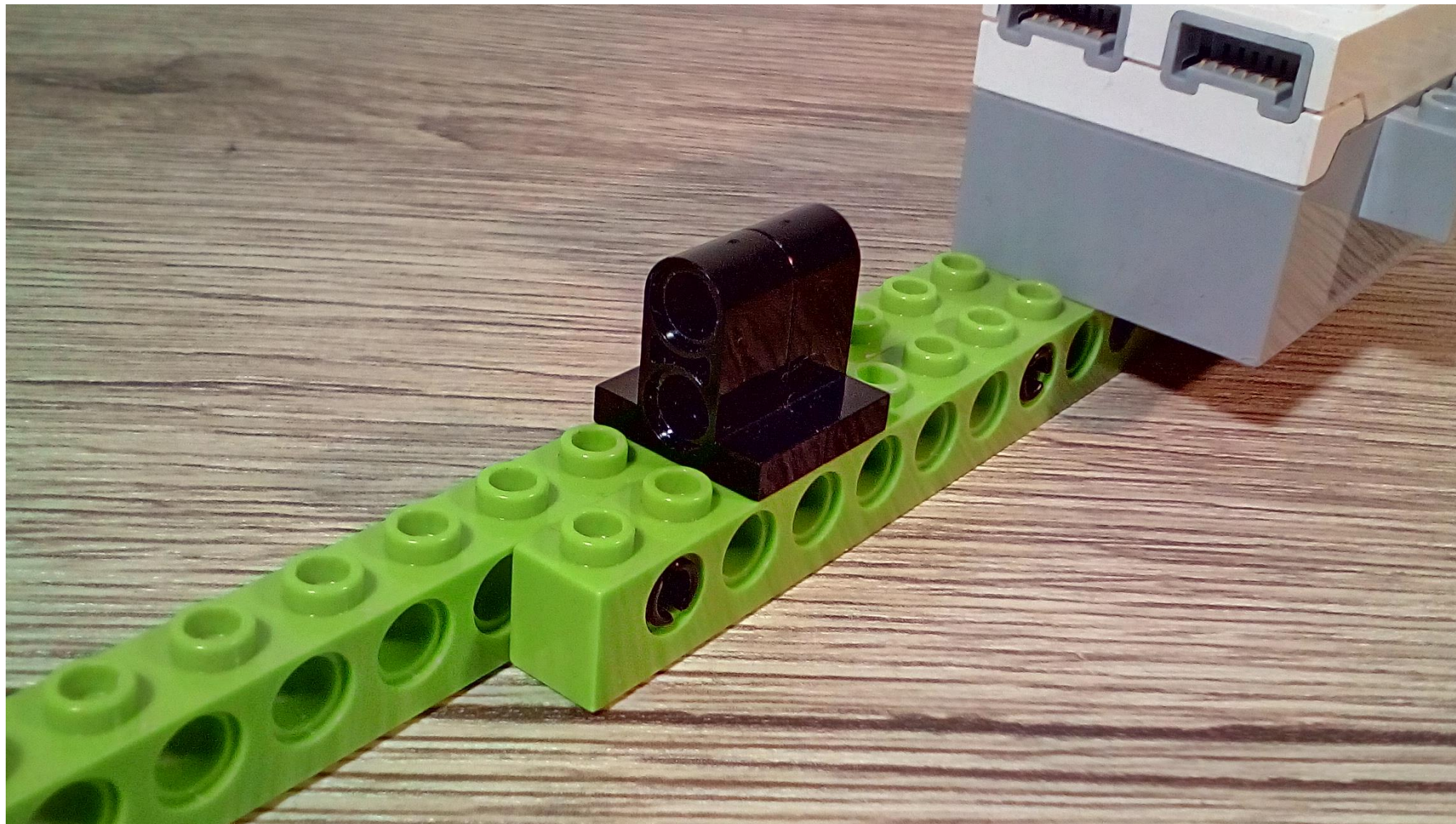
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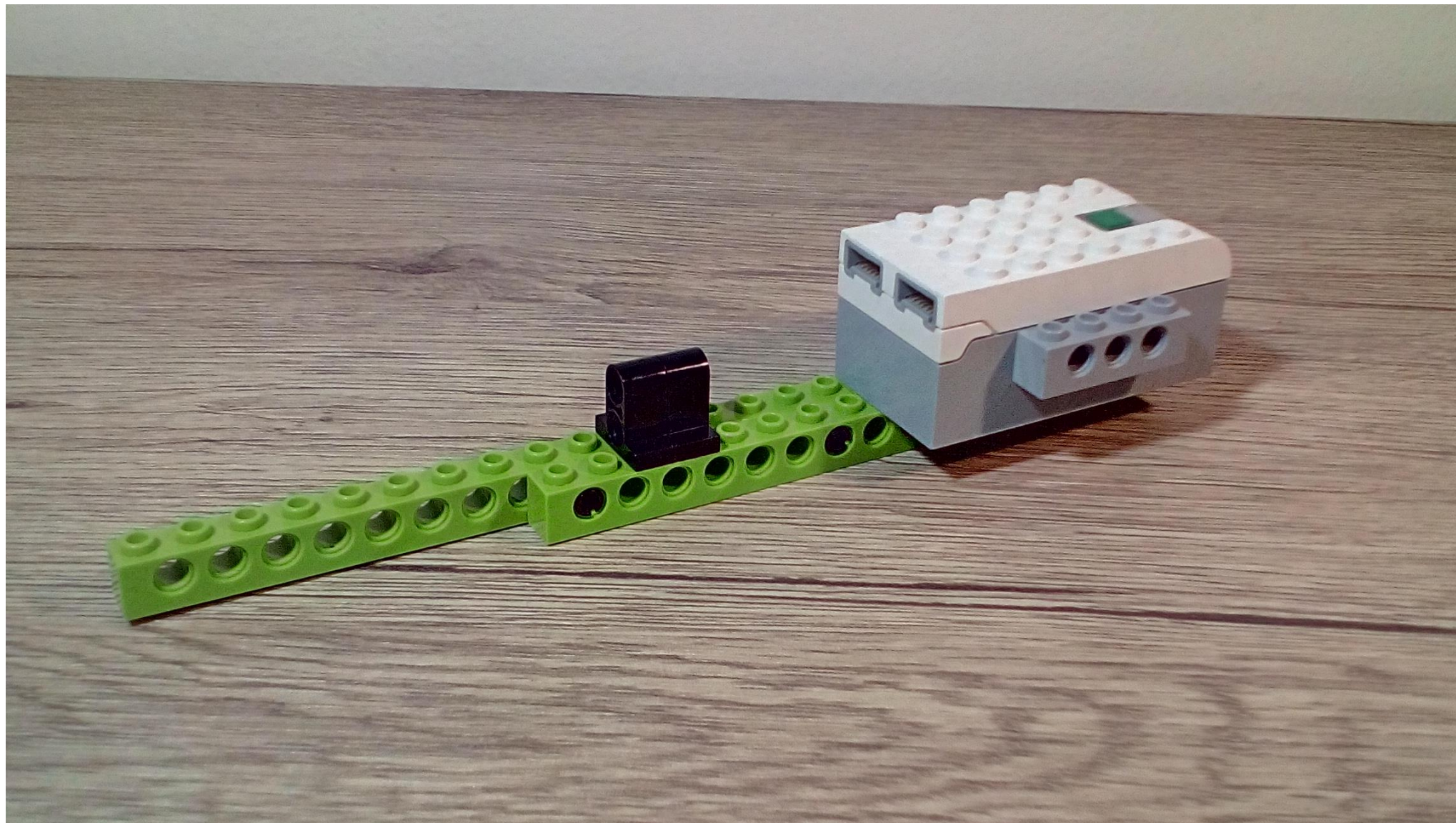
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50



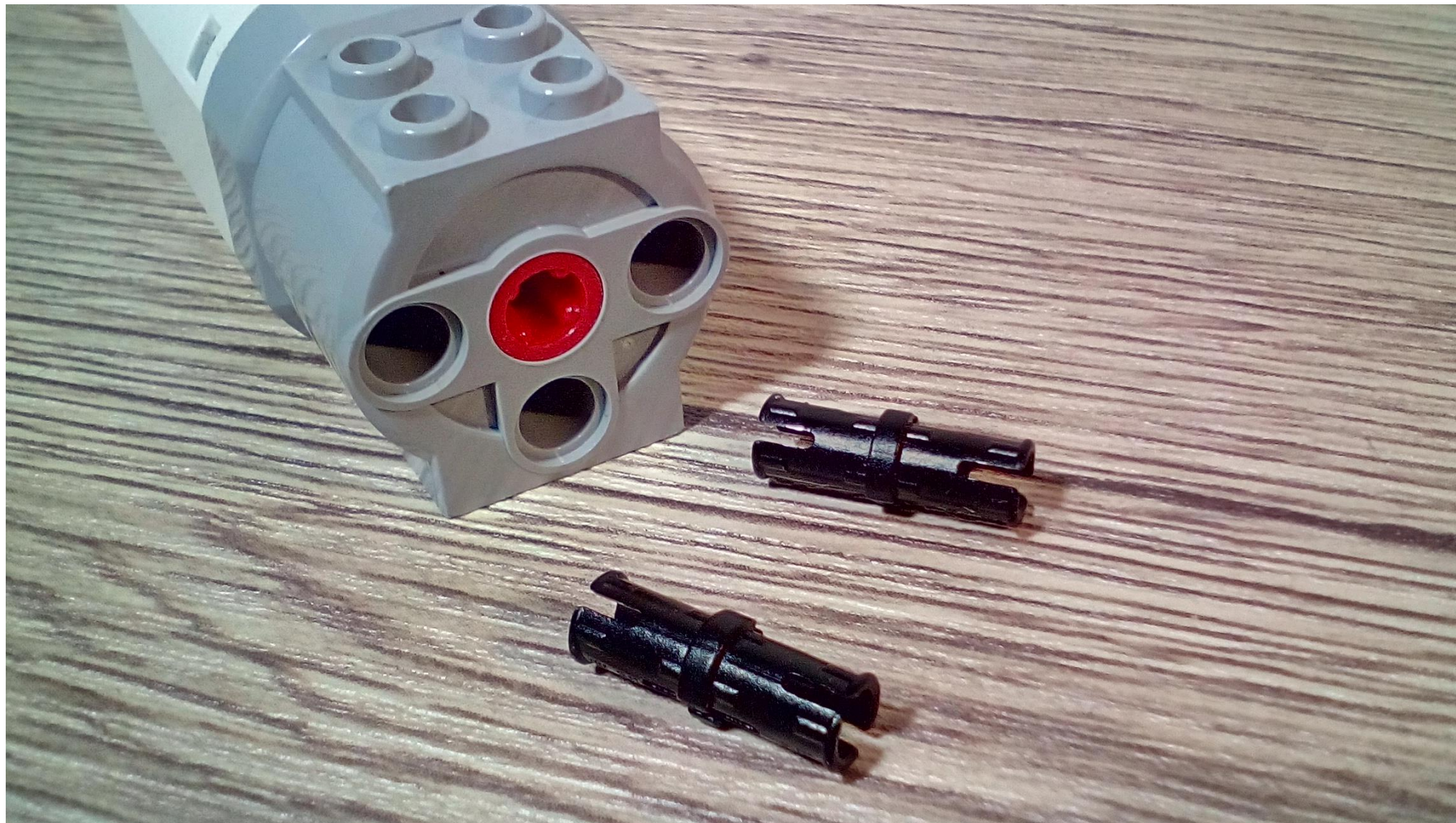
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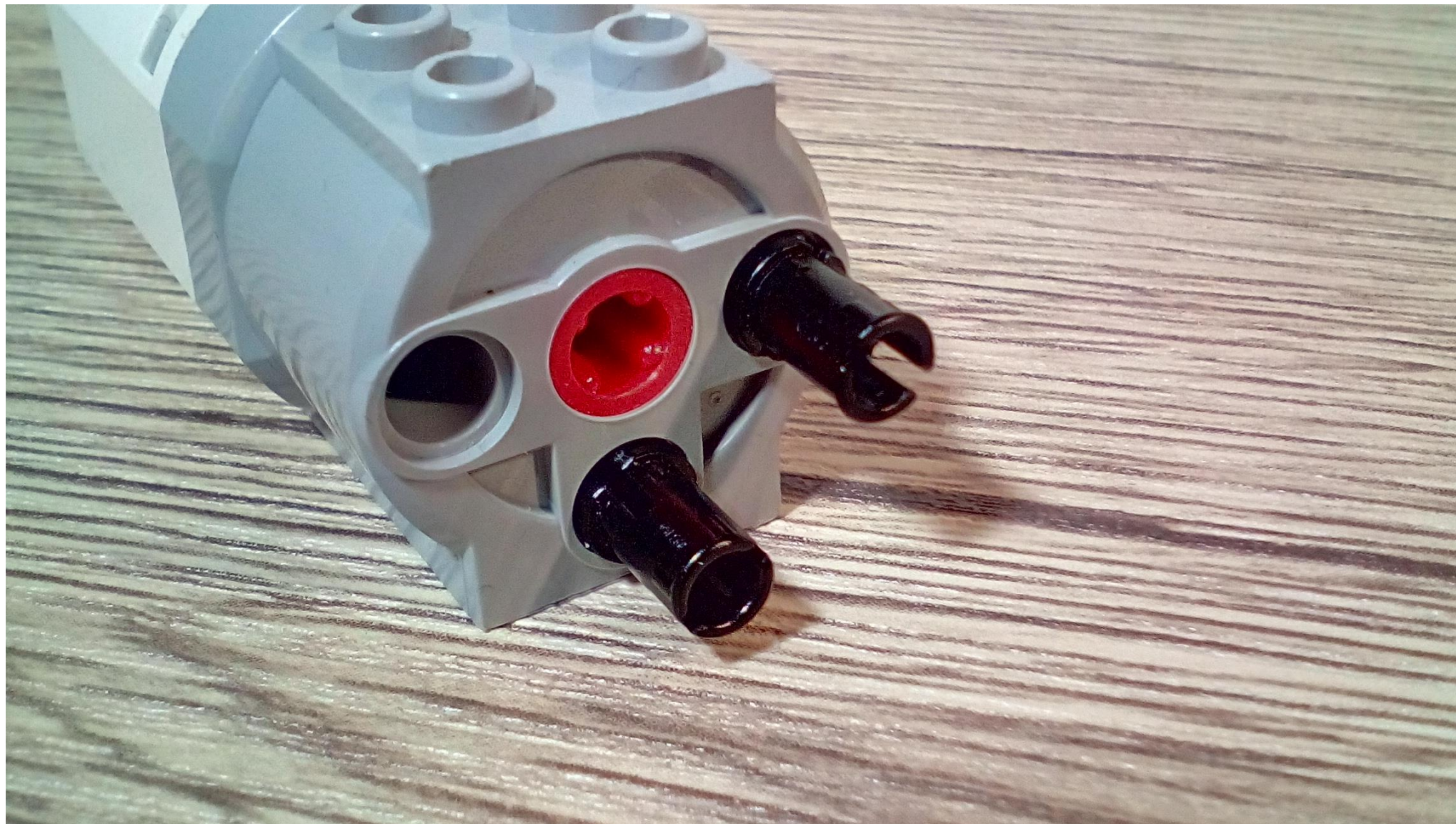
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53



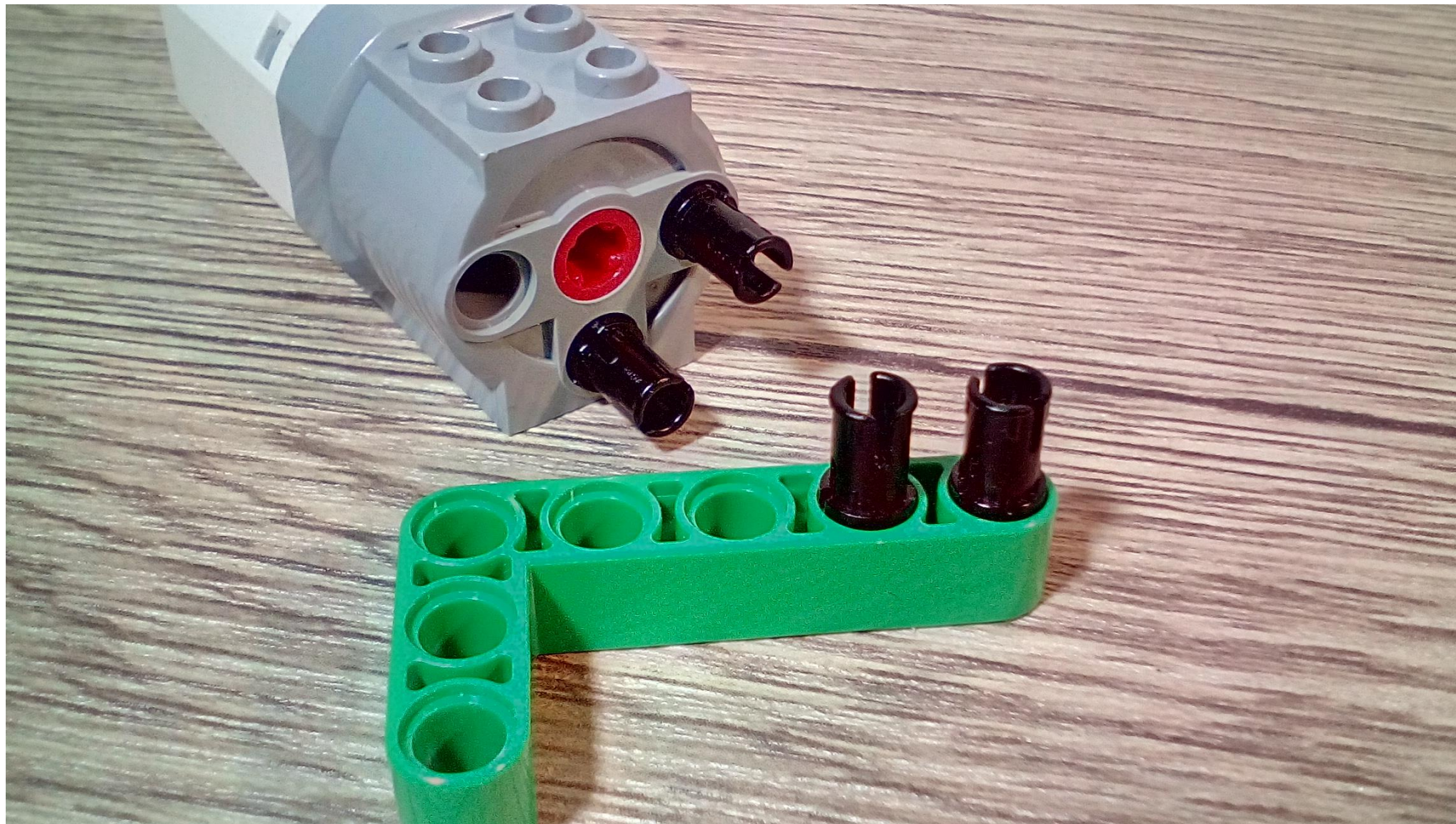
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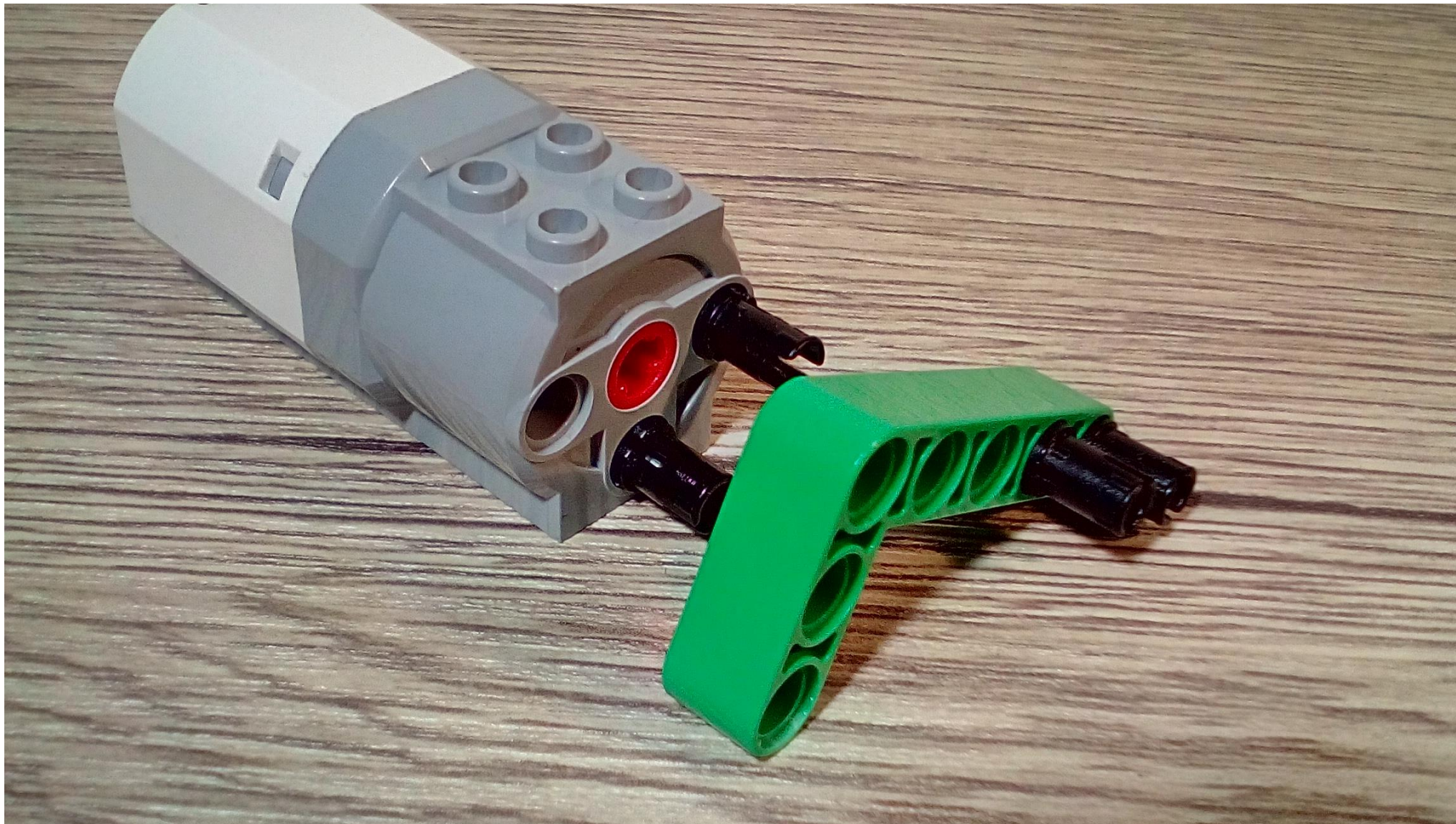
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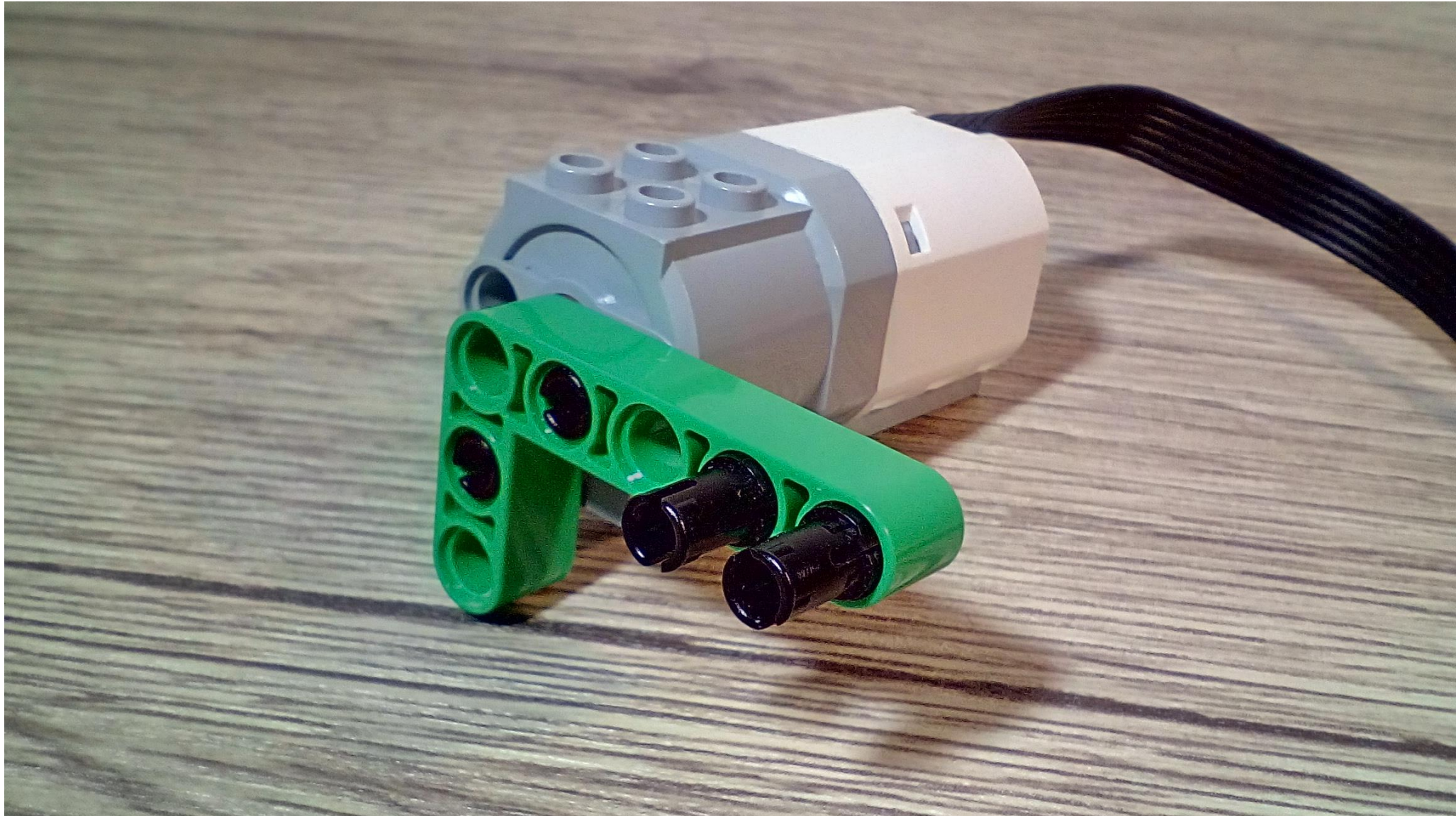
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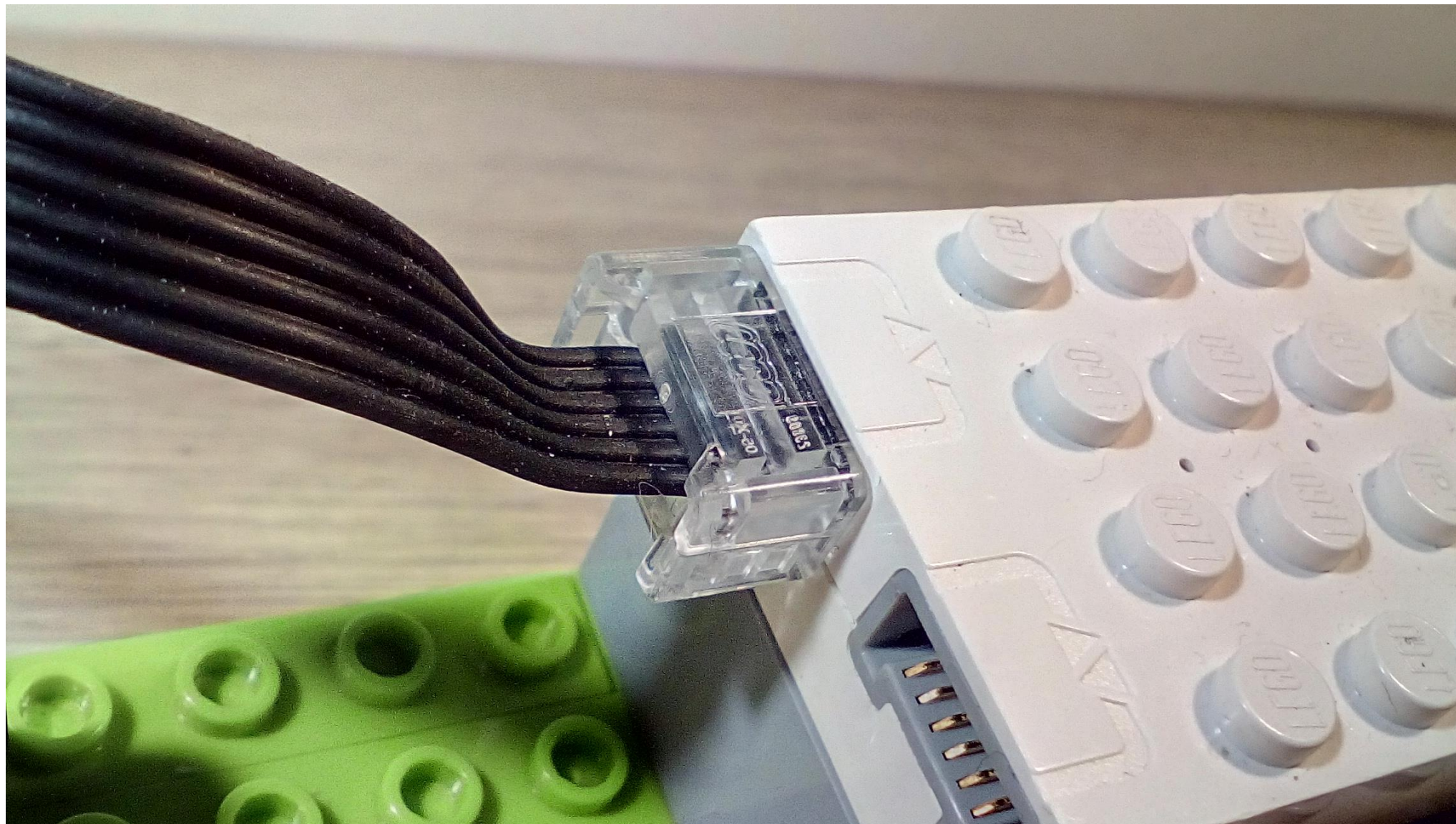
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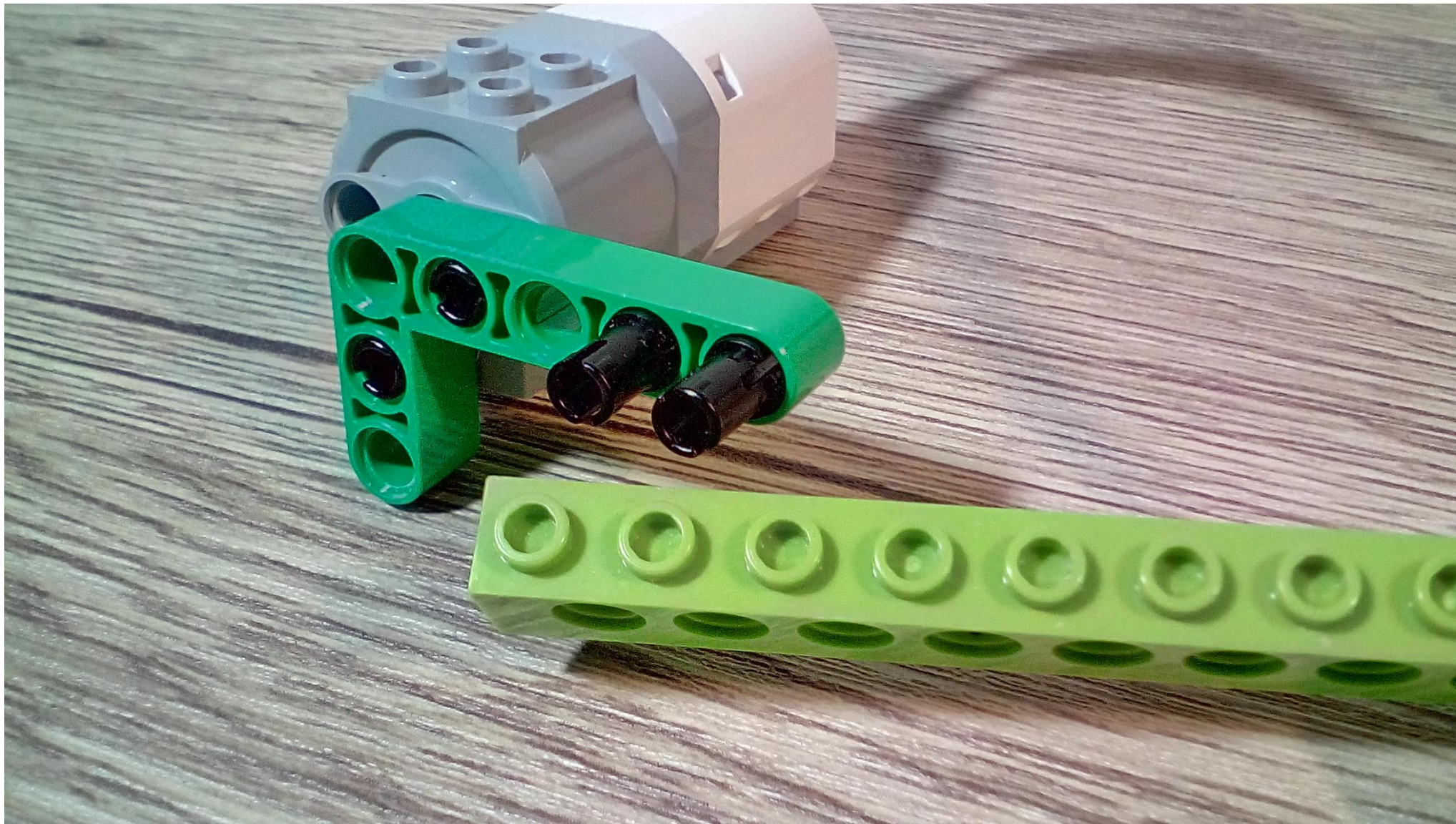
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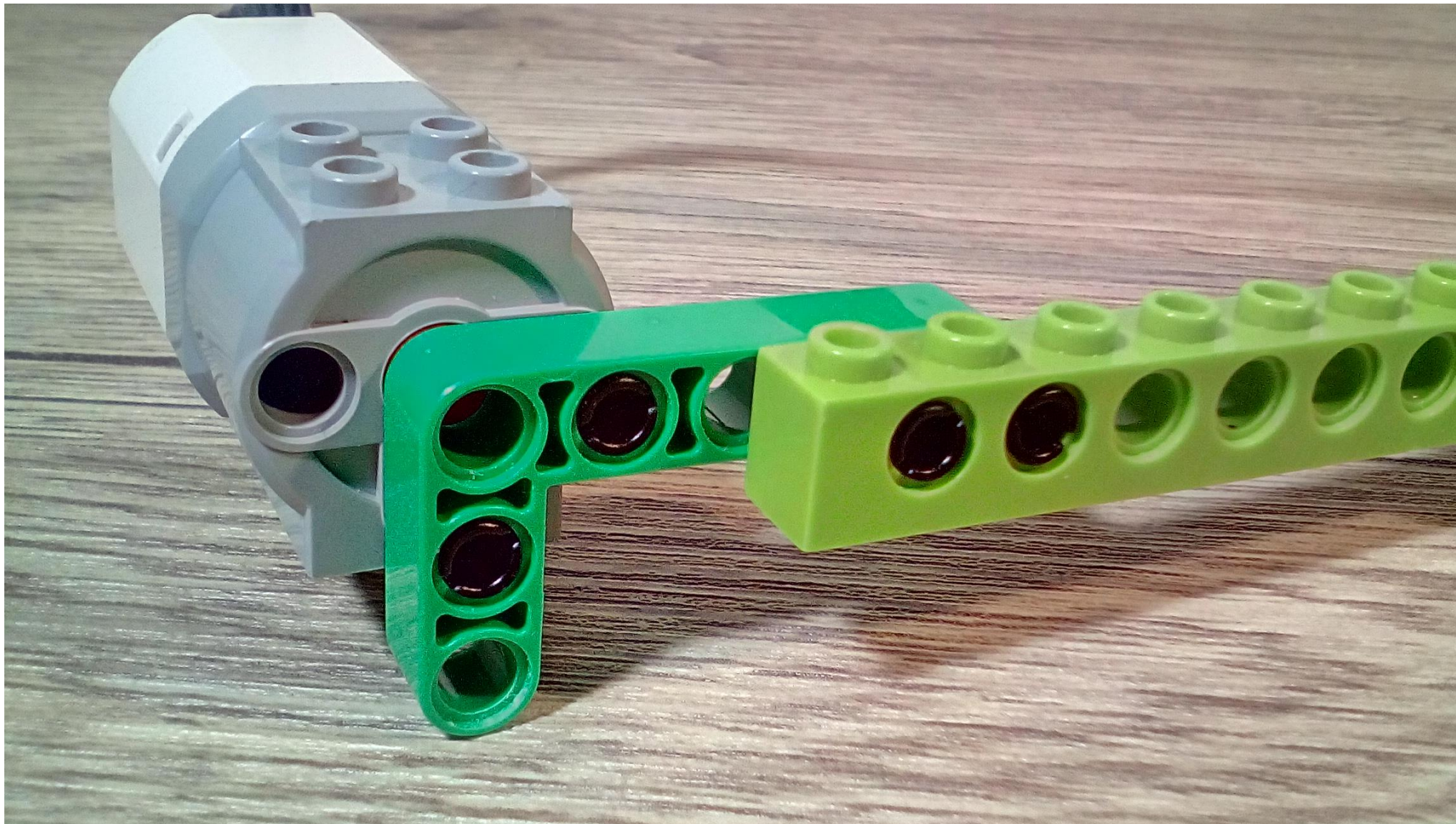
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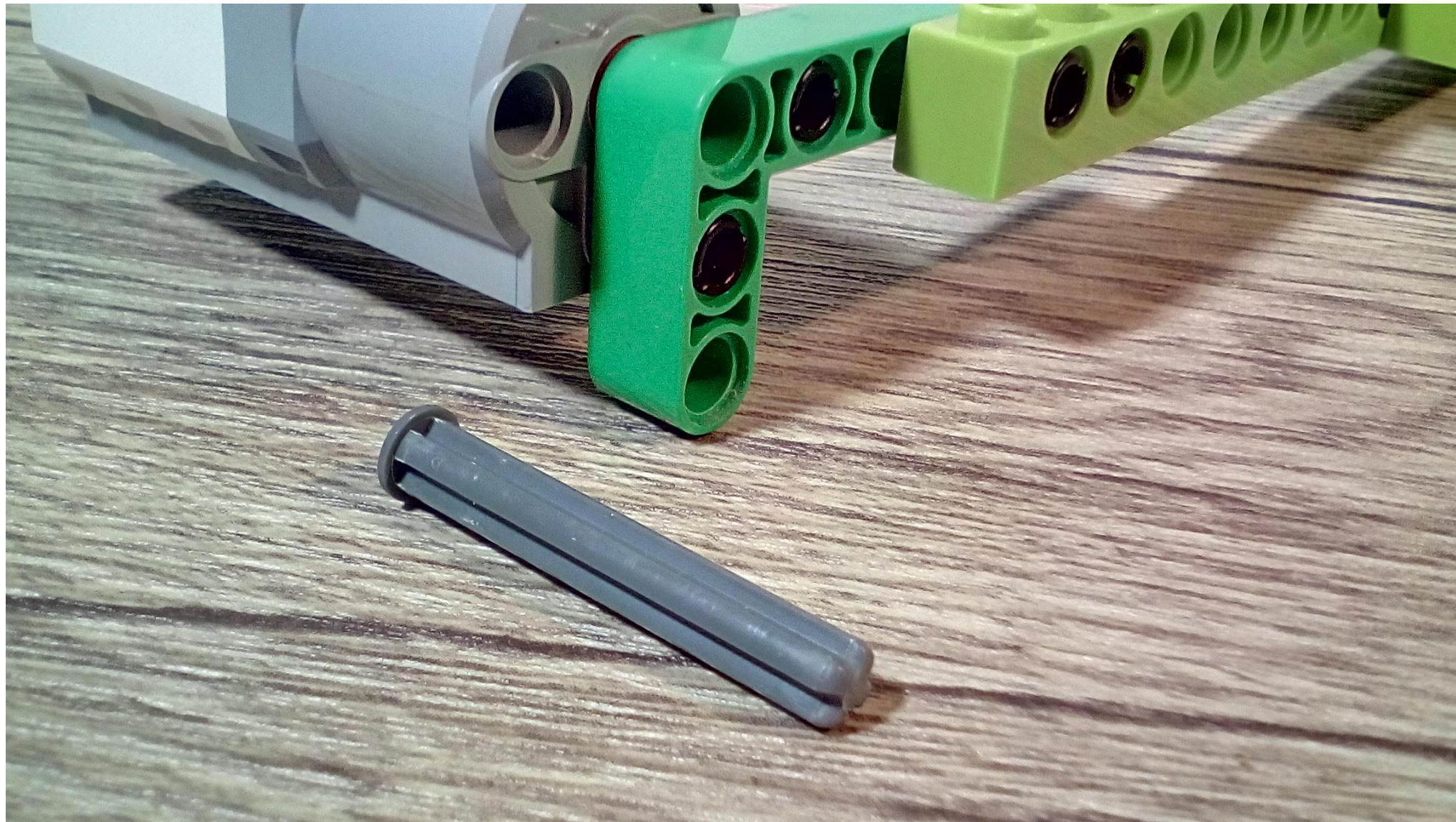
60



61



62



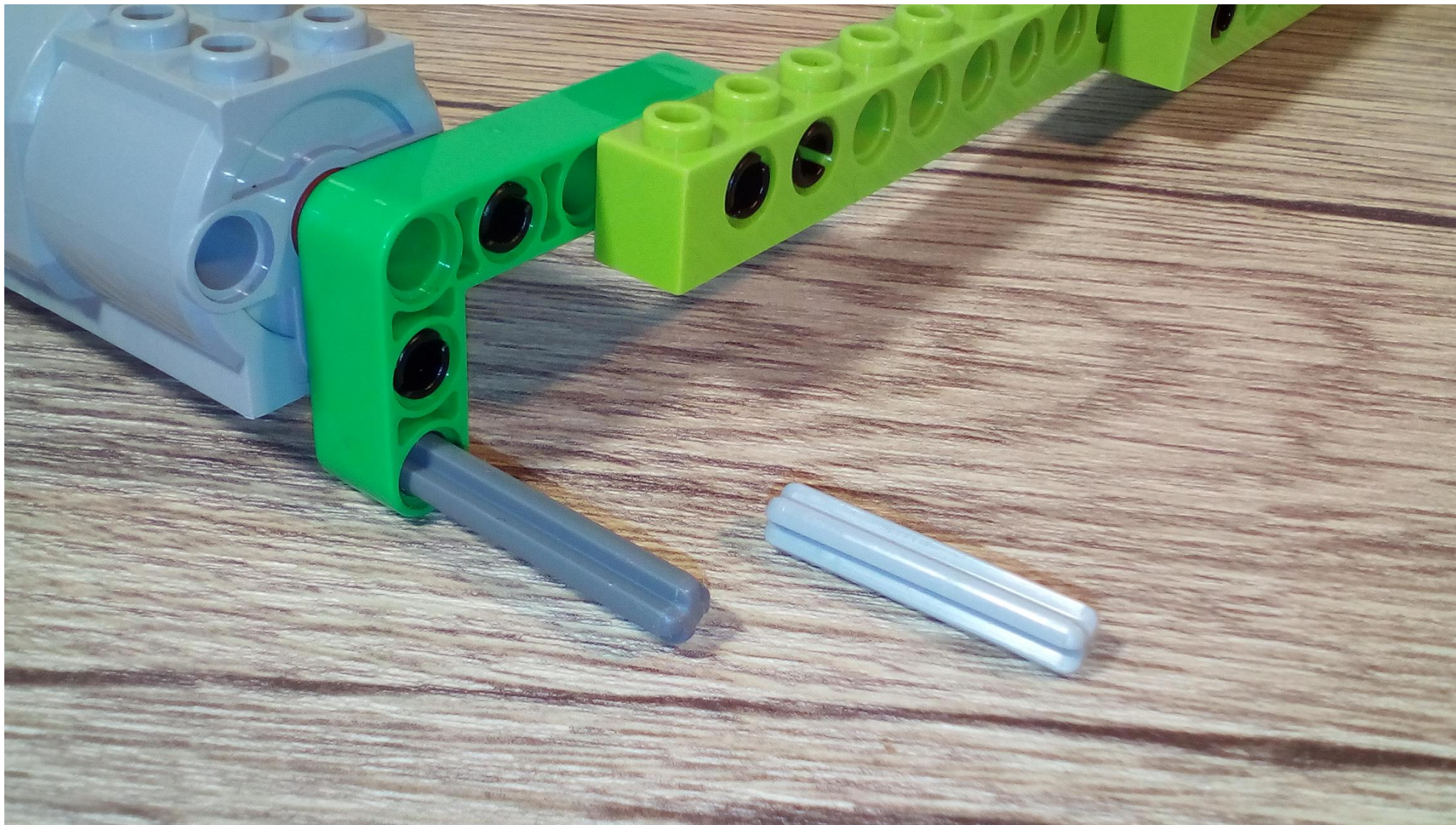
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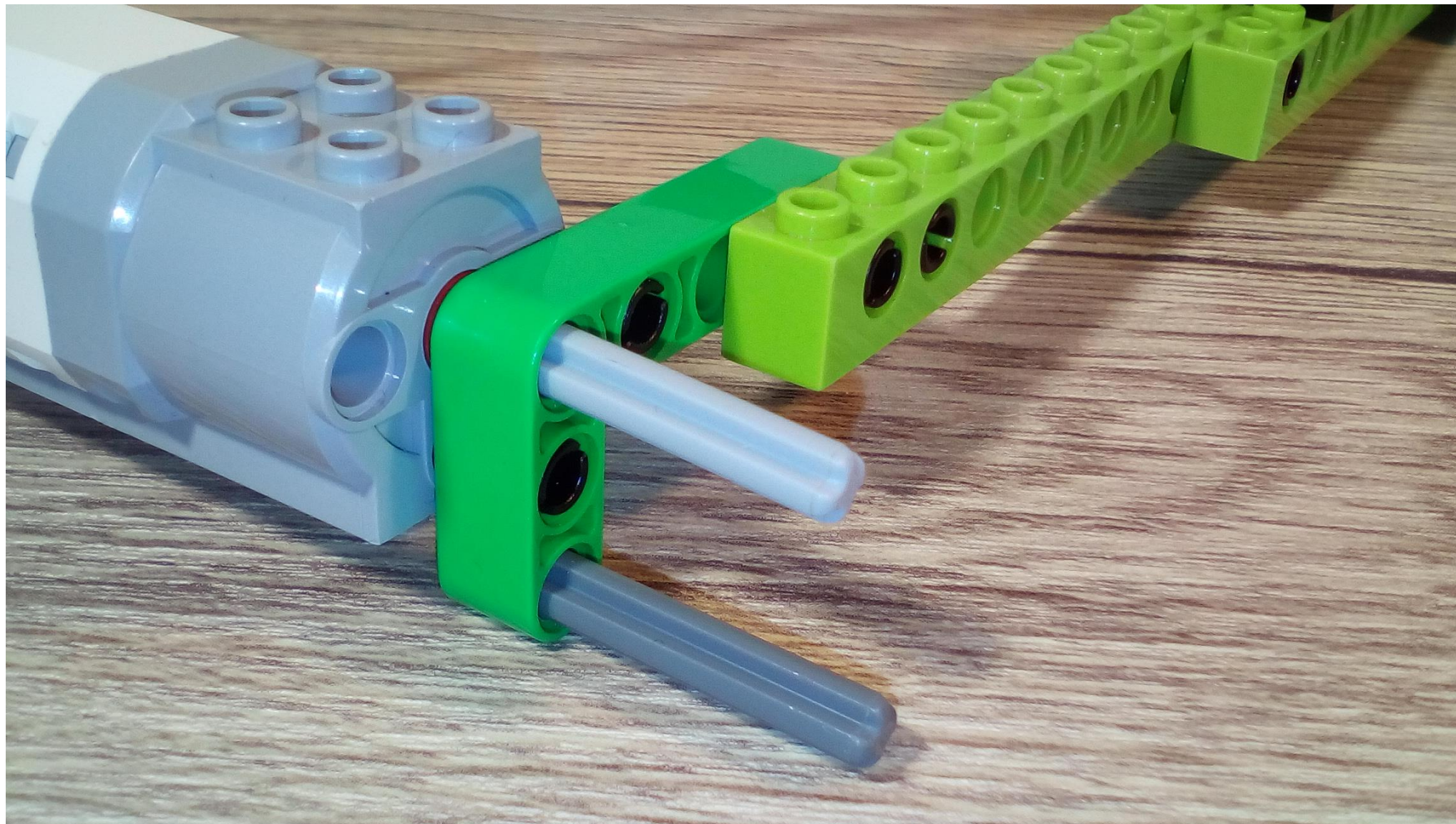
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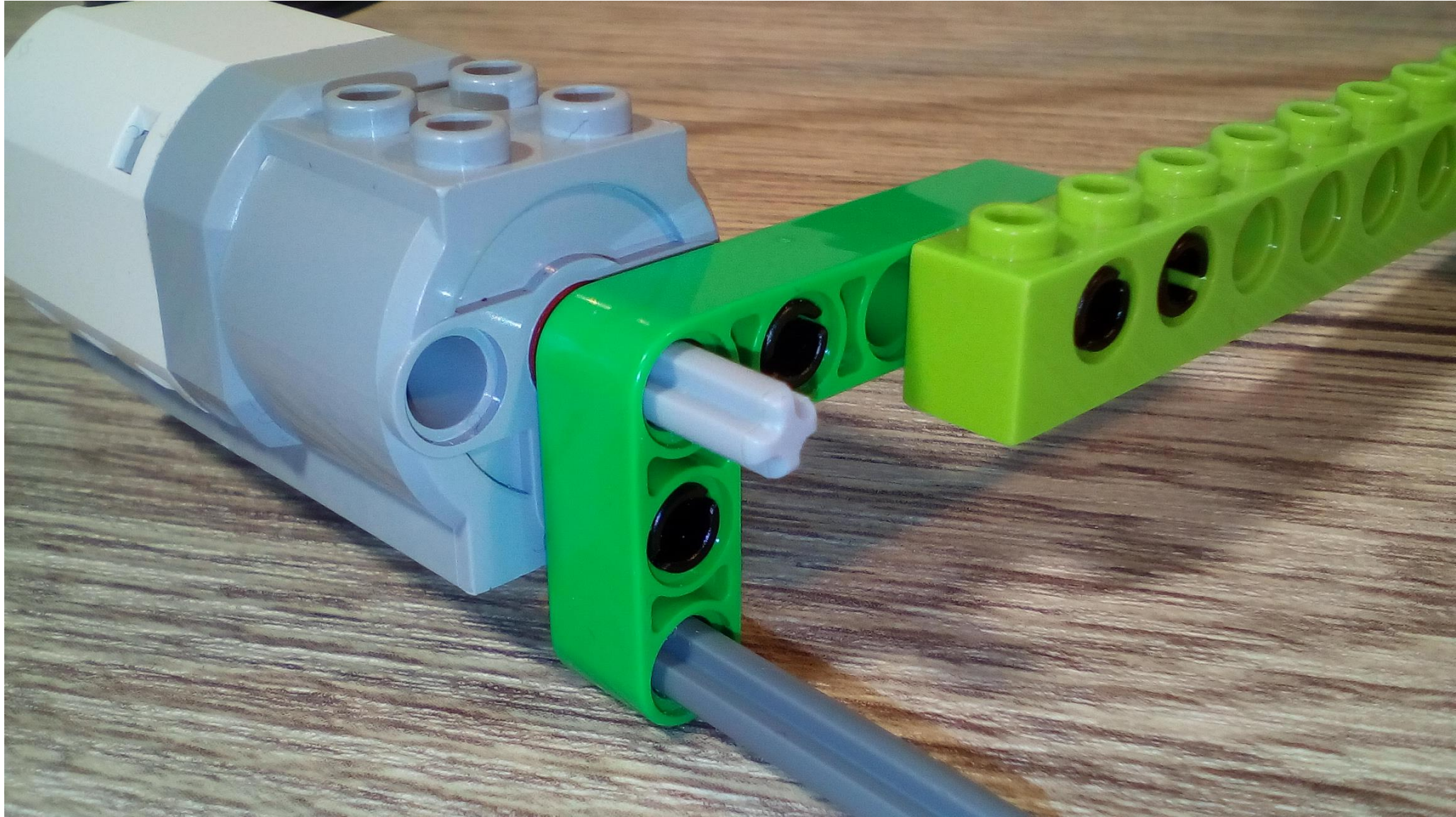
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66



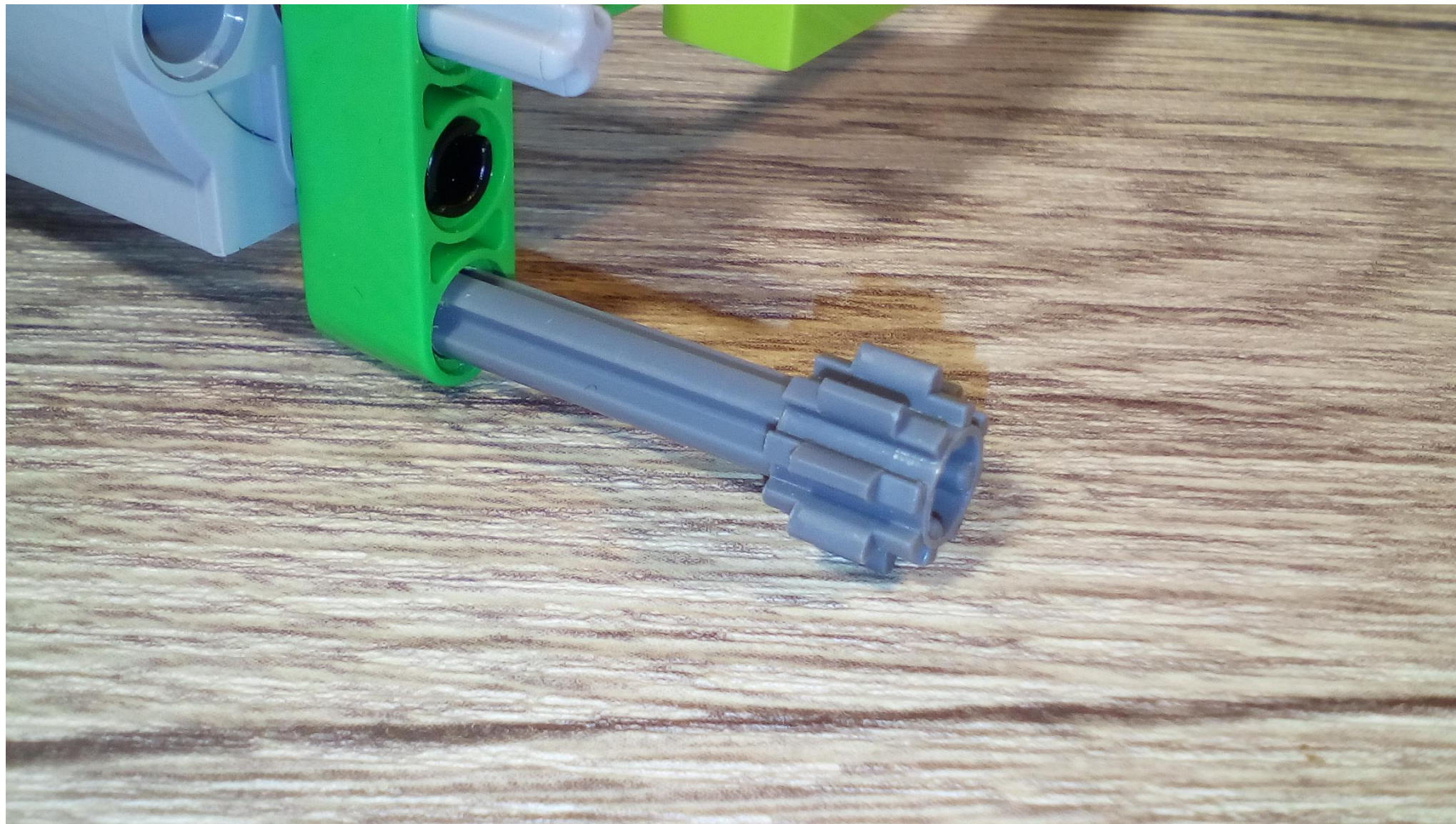
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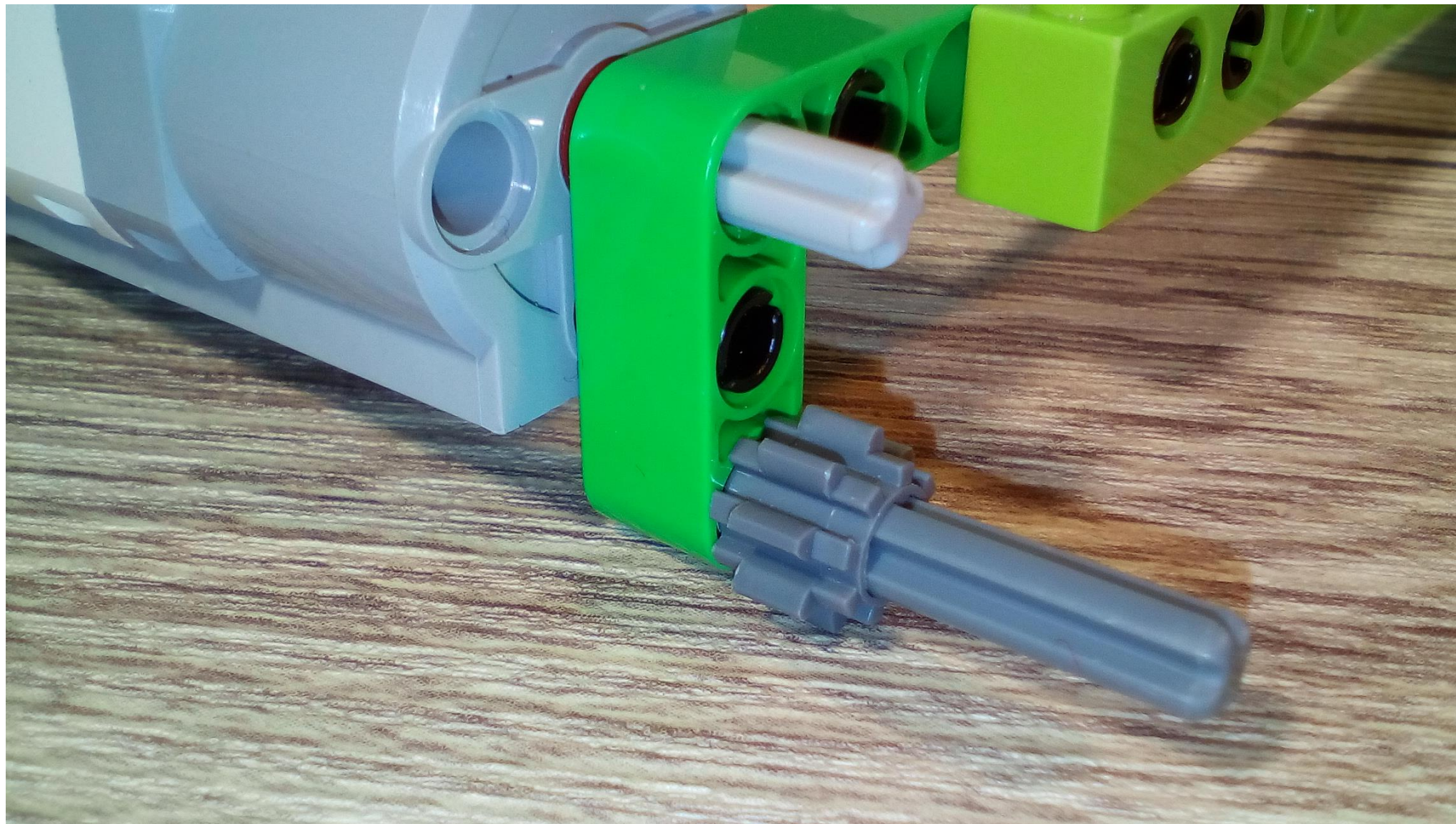
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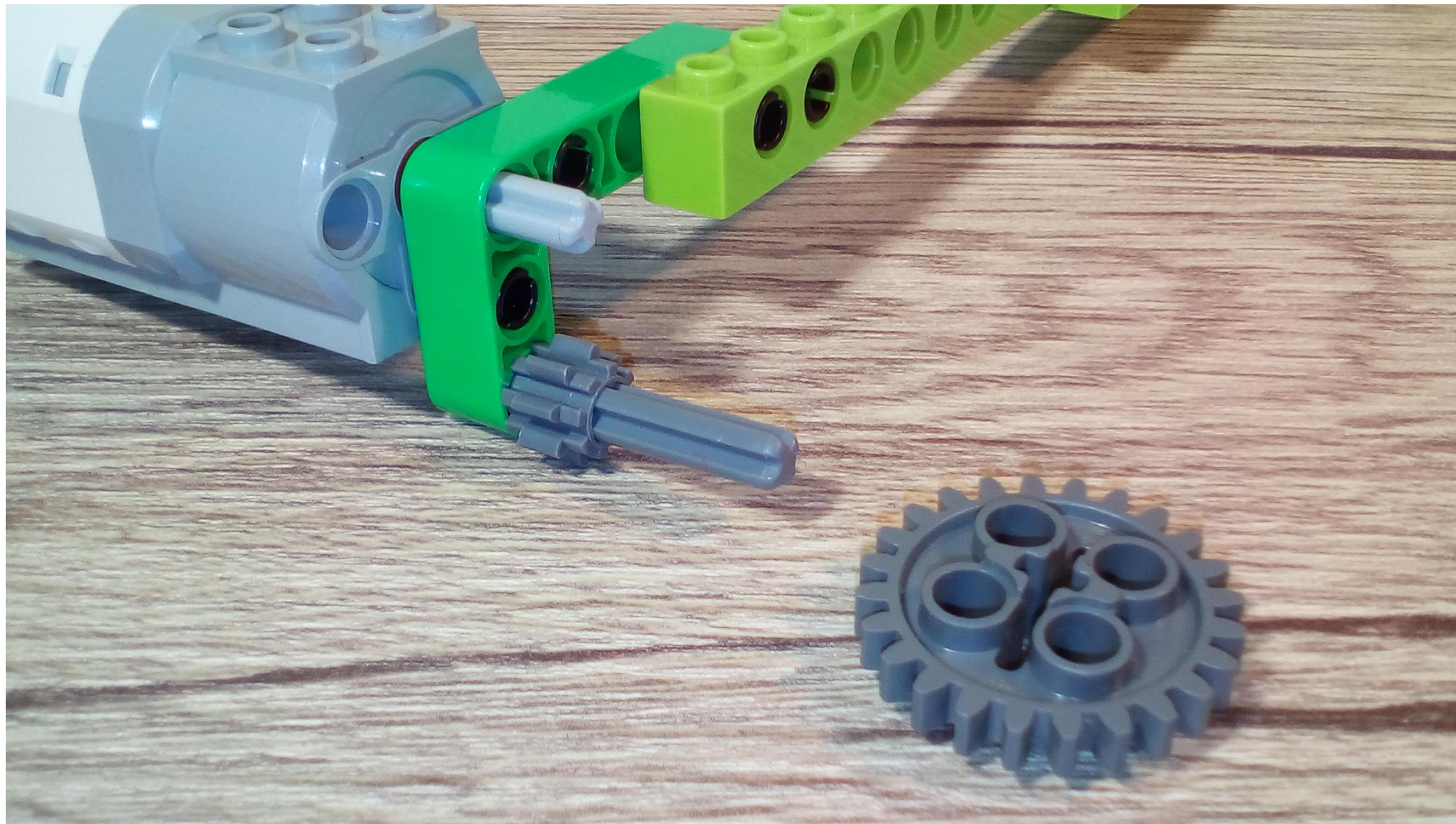
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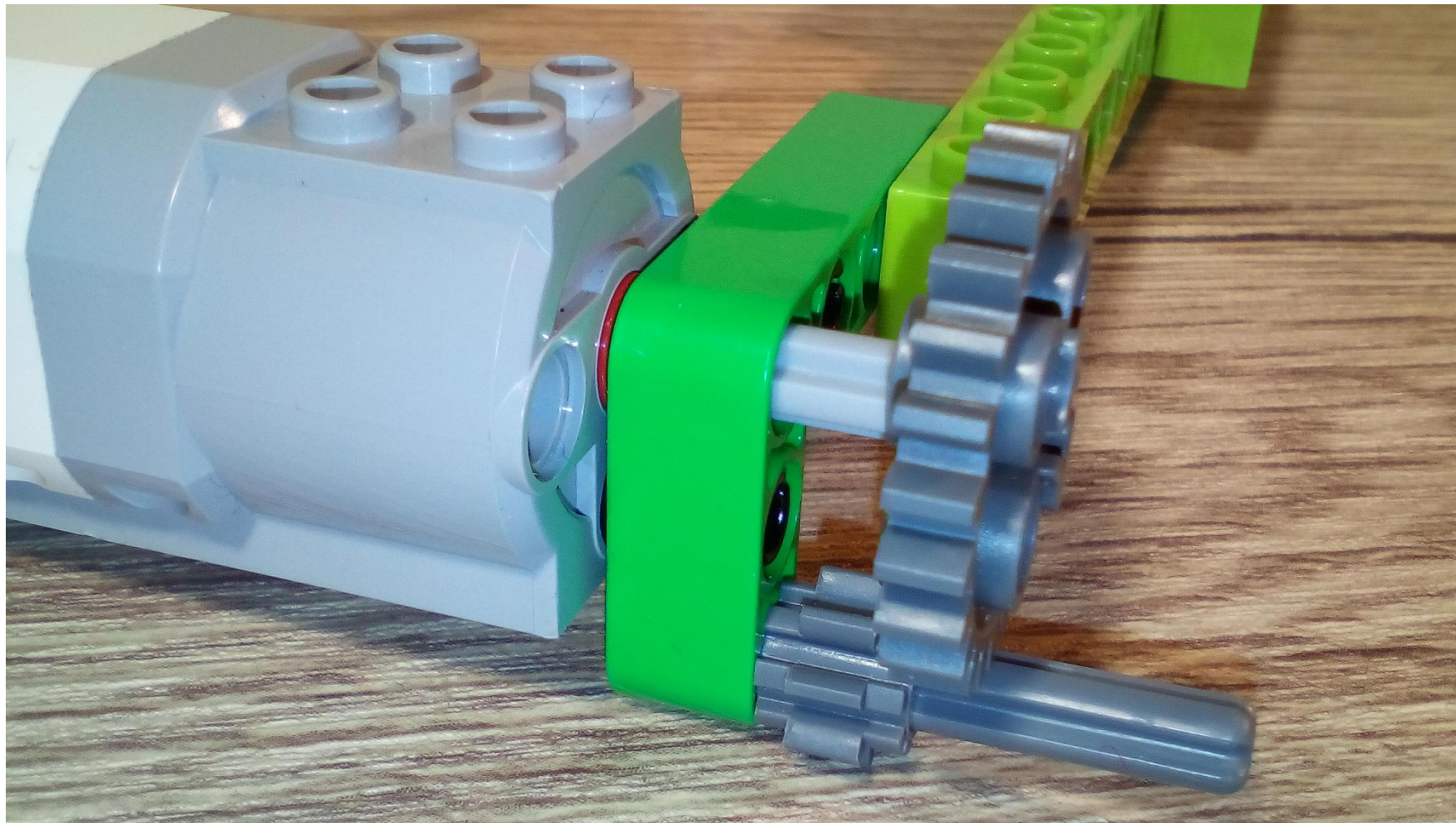
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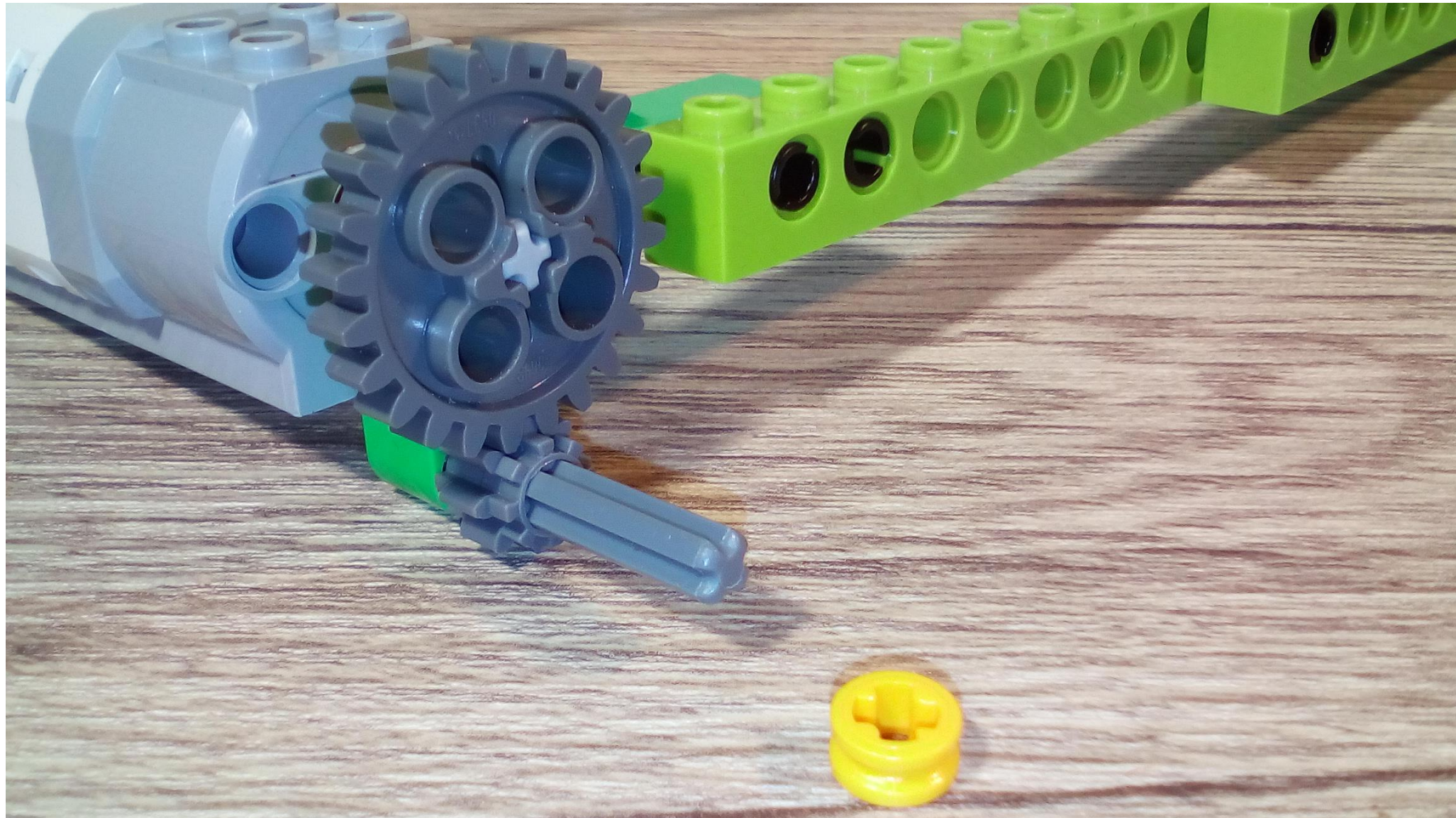
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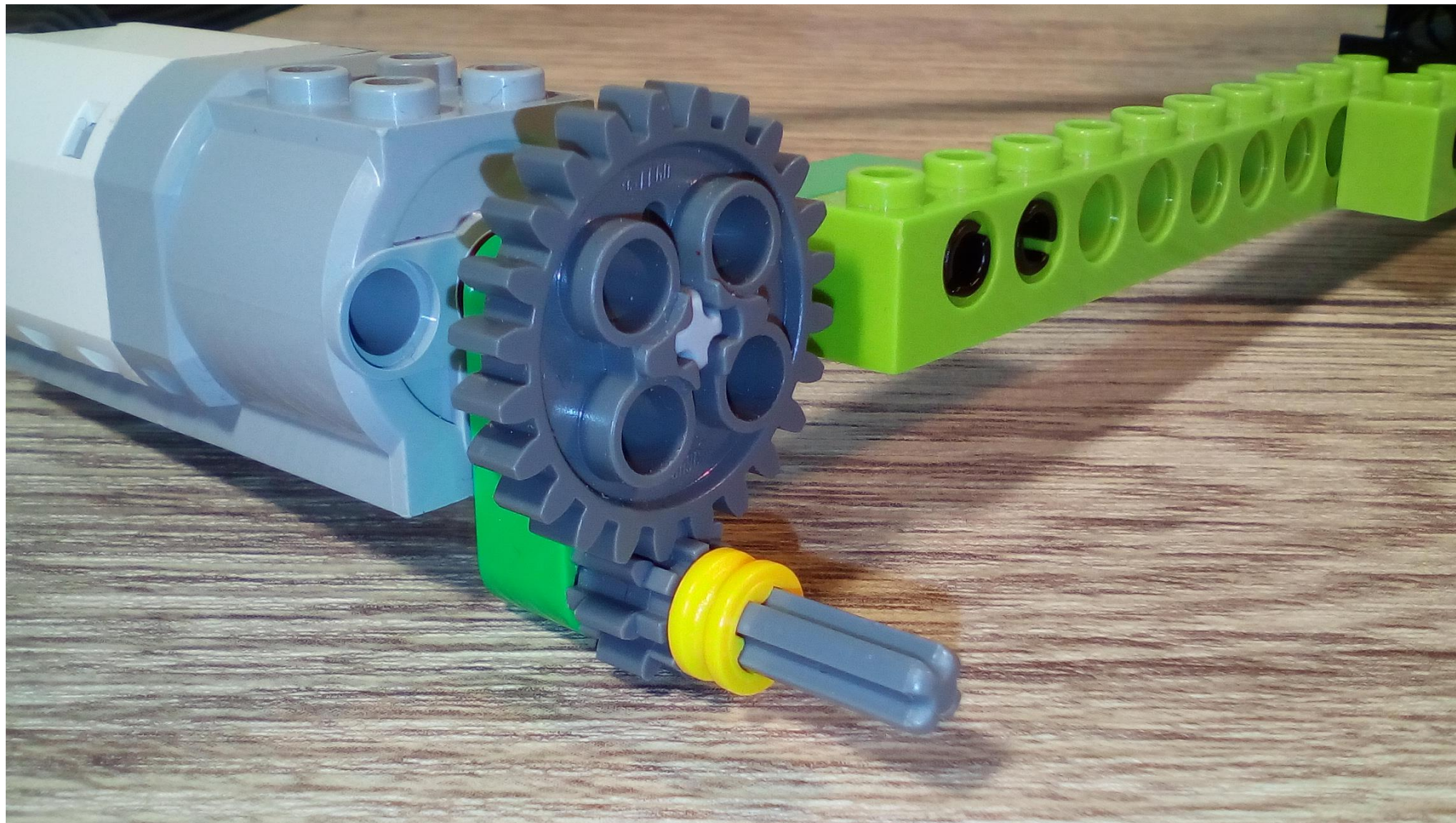
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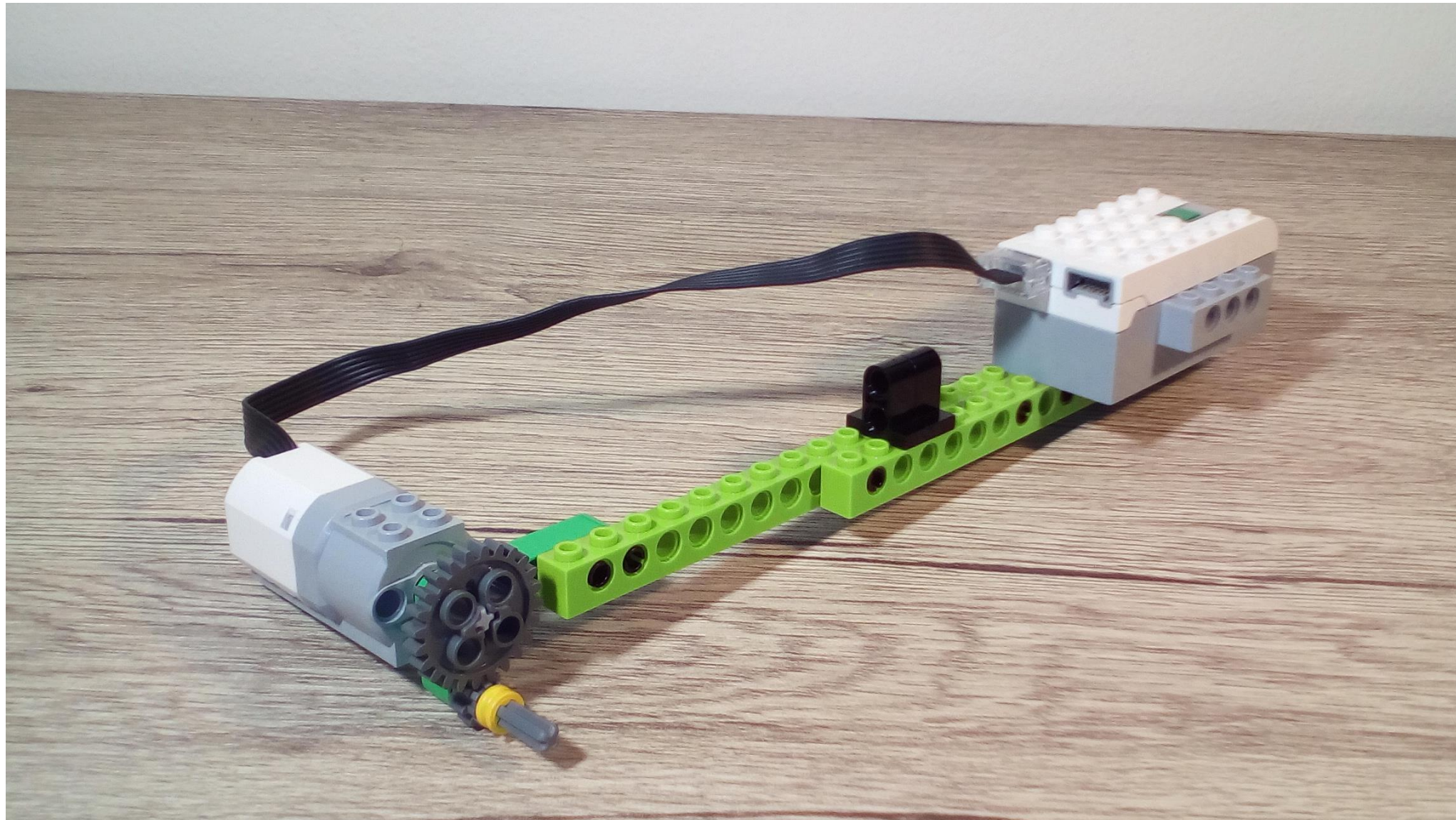
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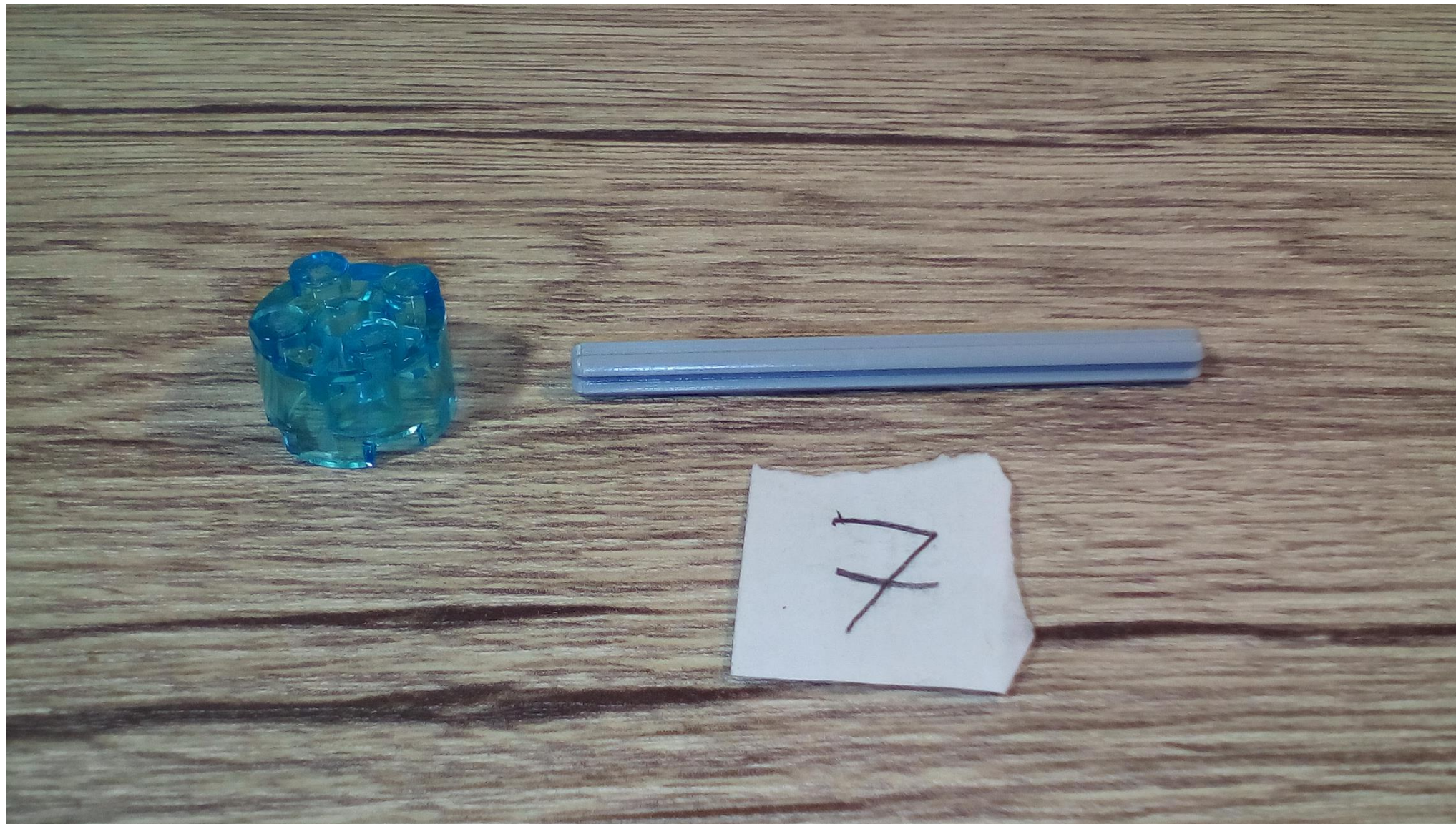
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75



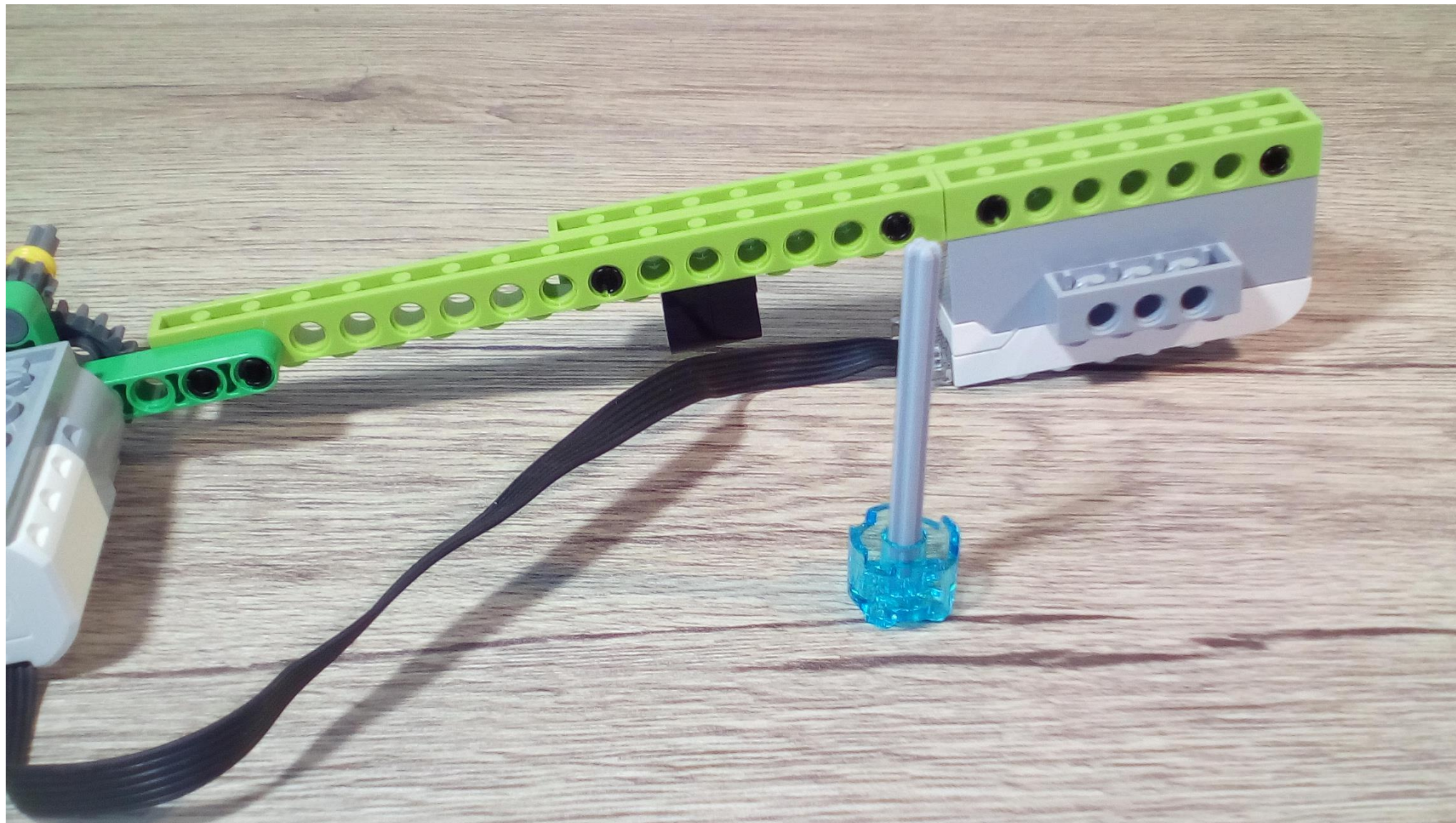
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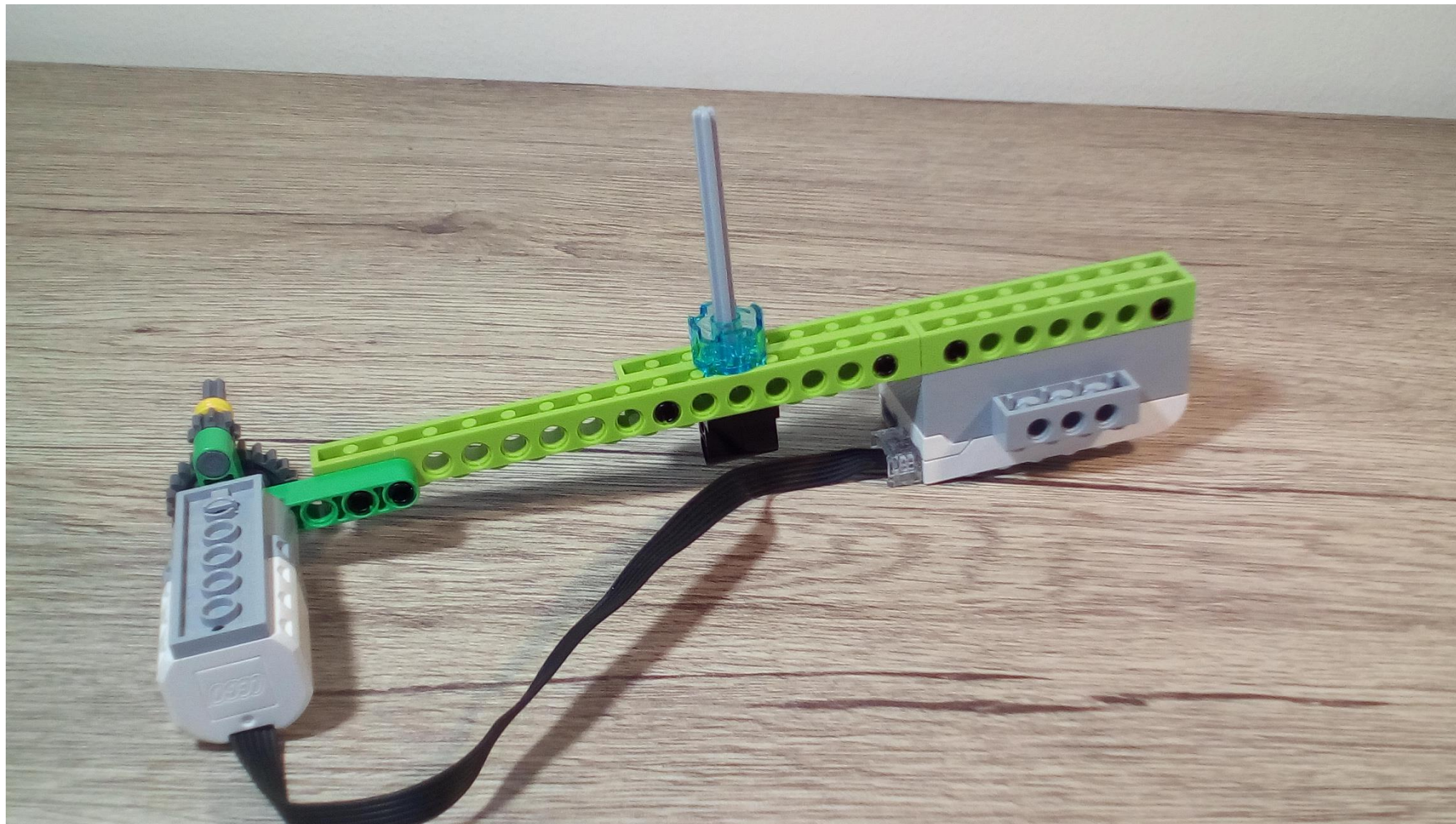
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78



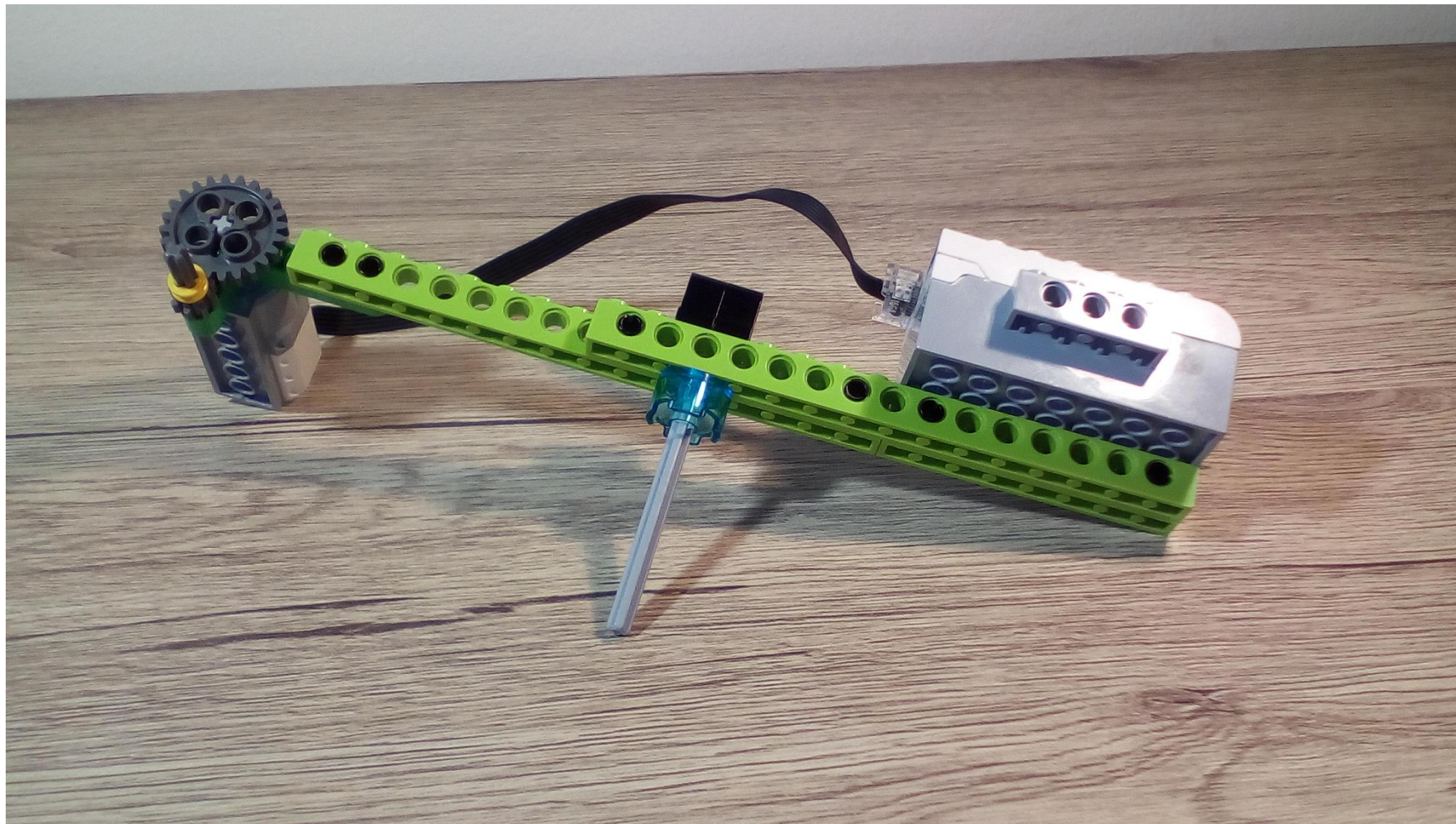
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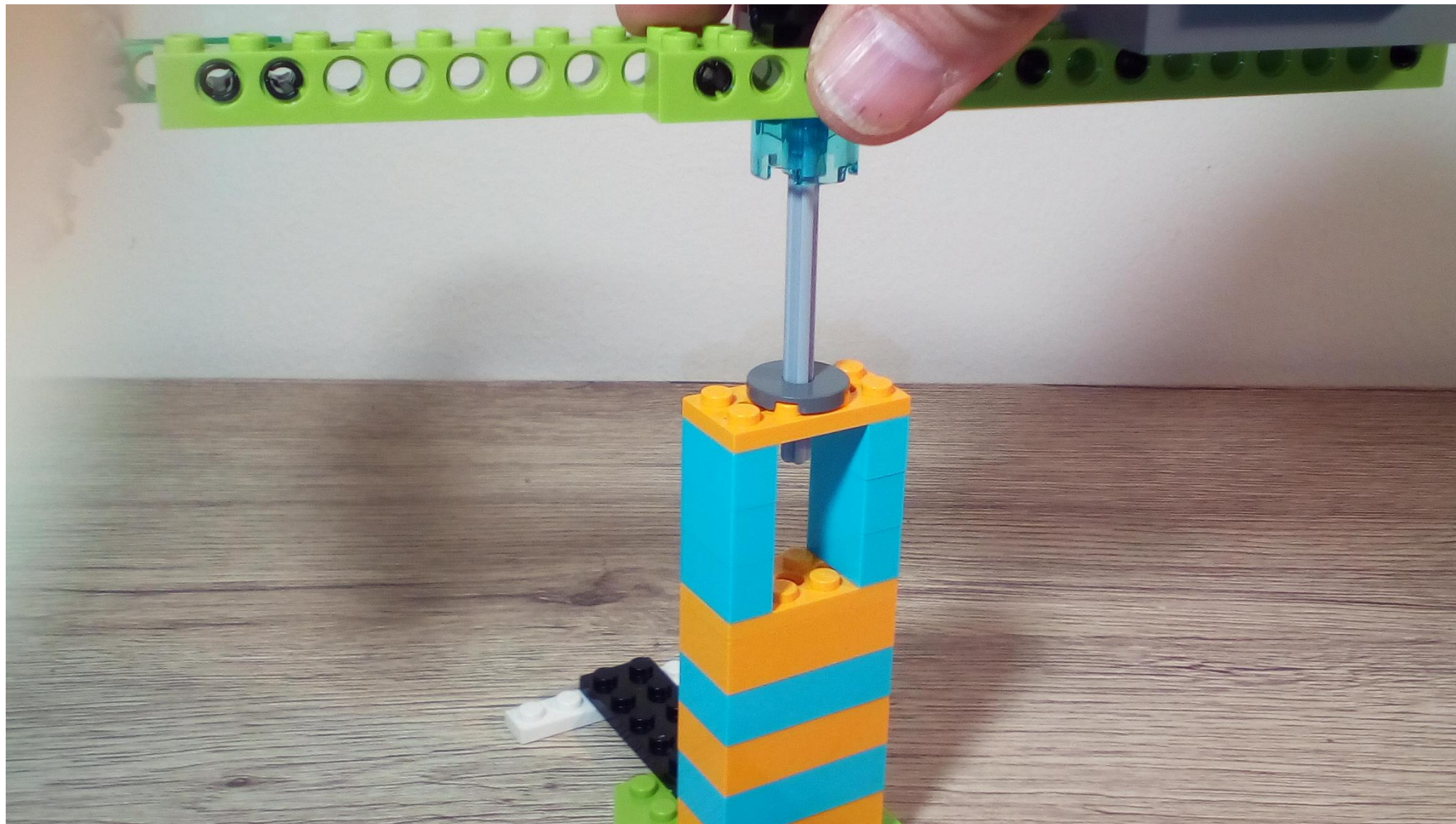
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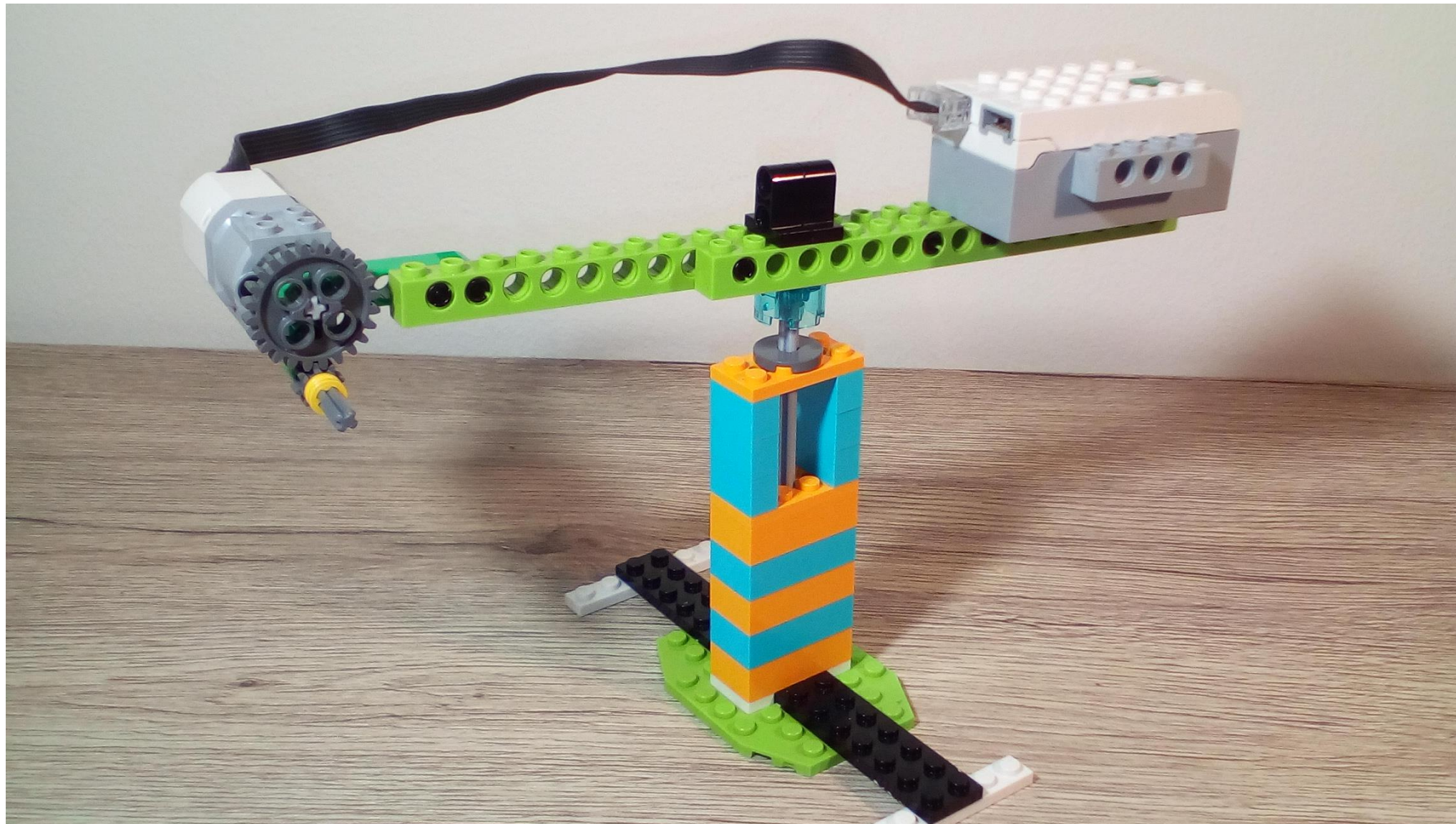
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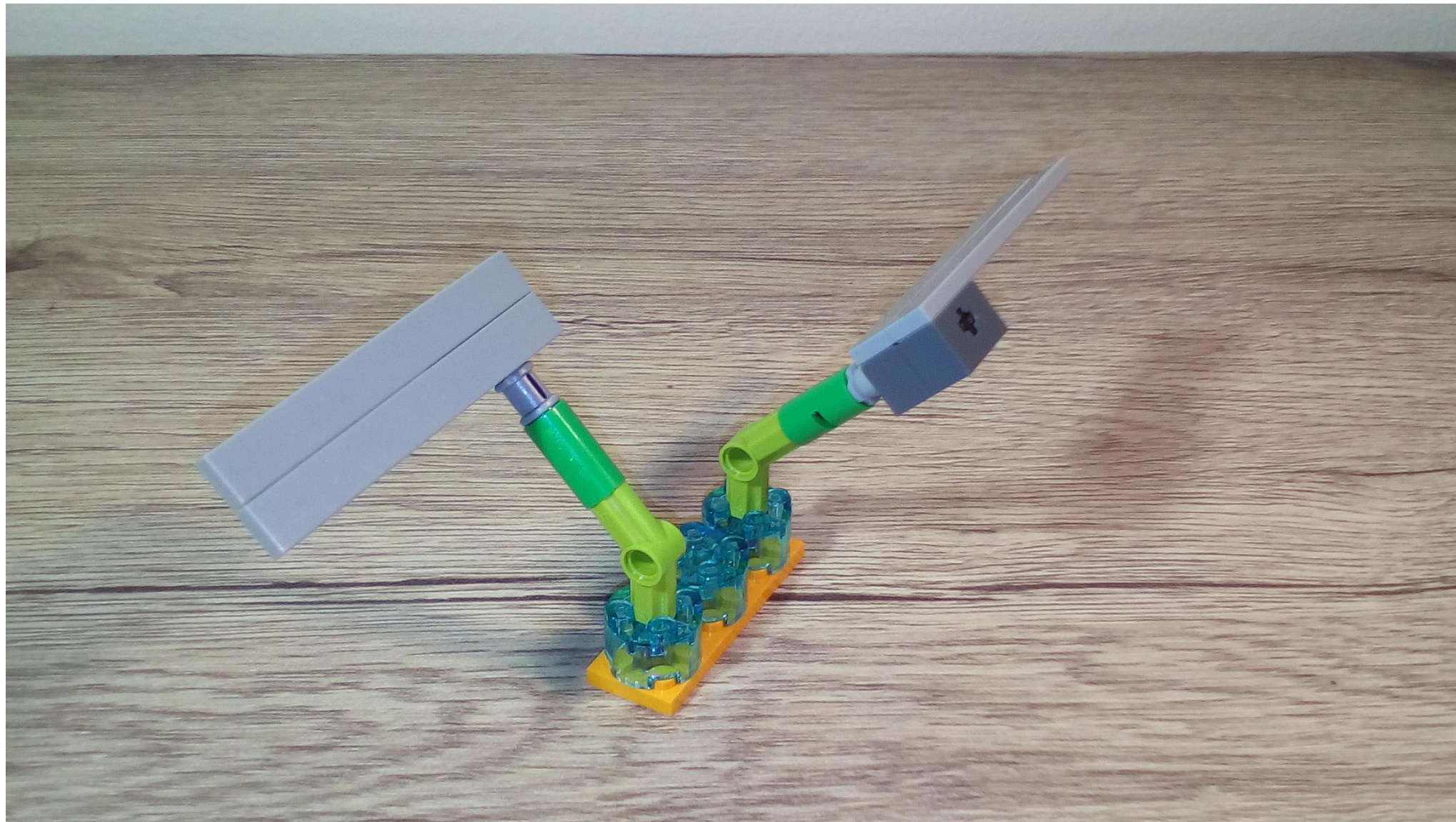
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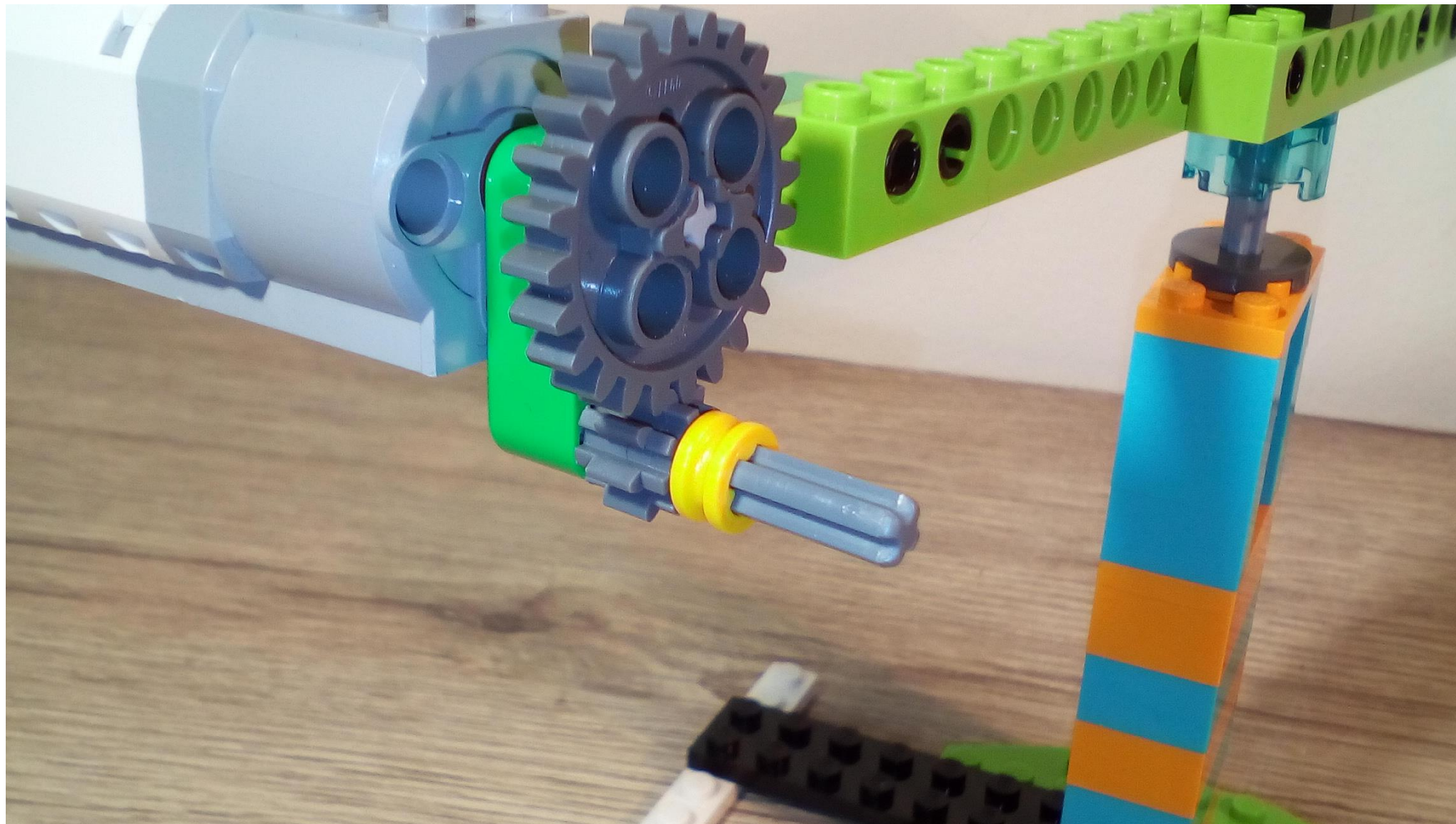
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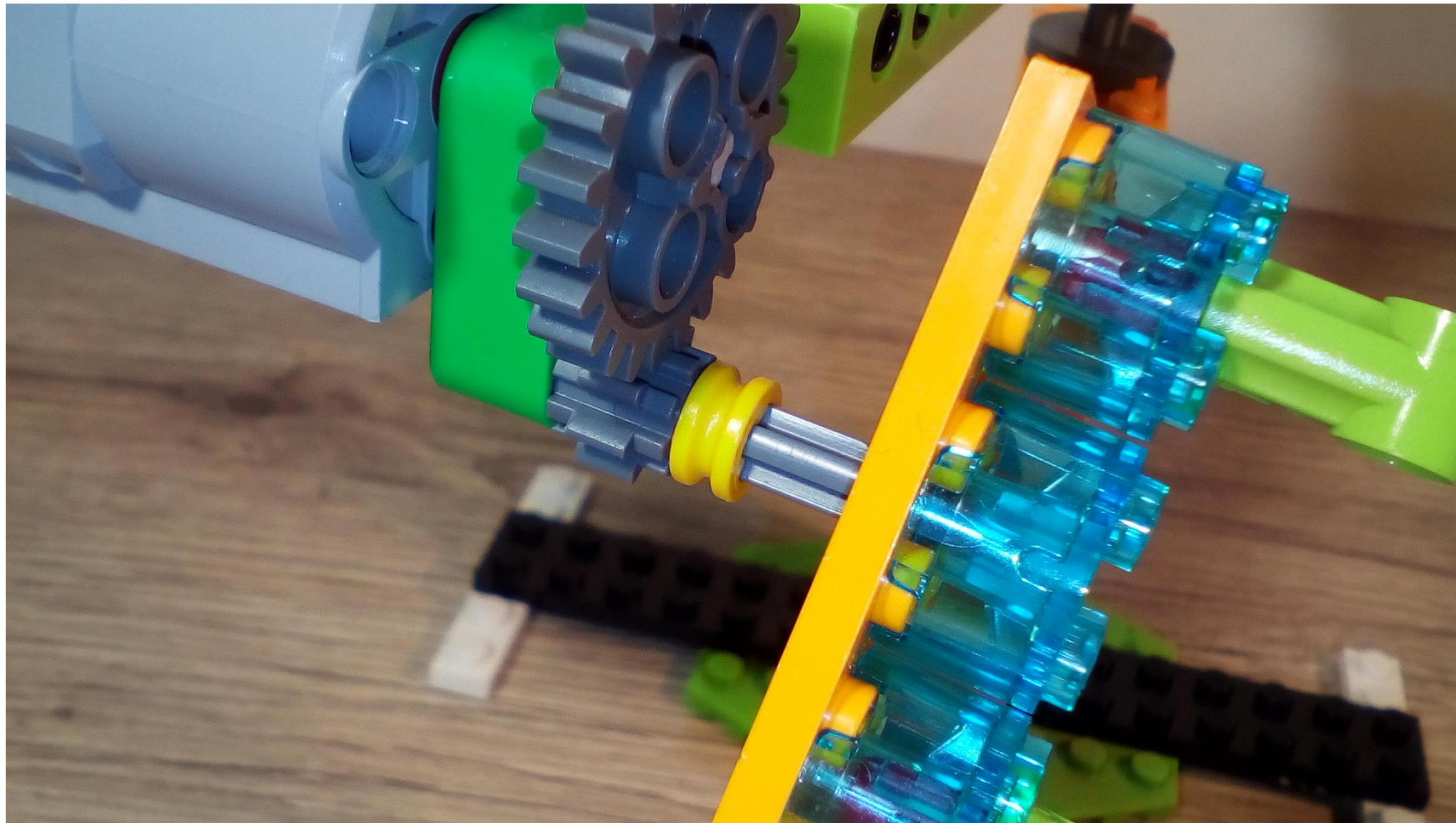
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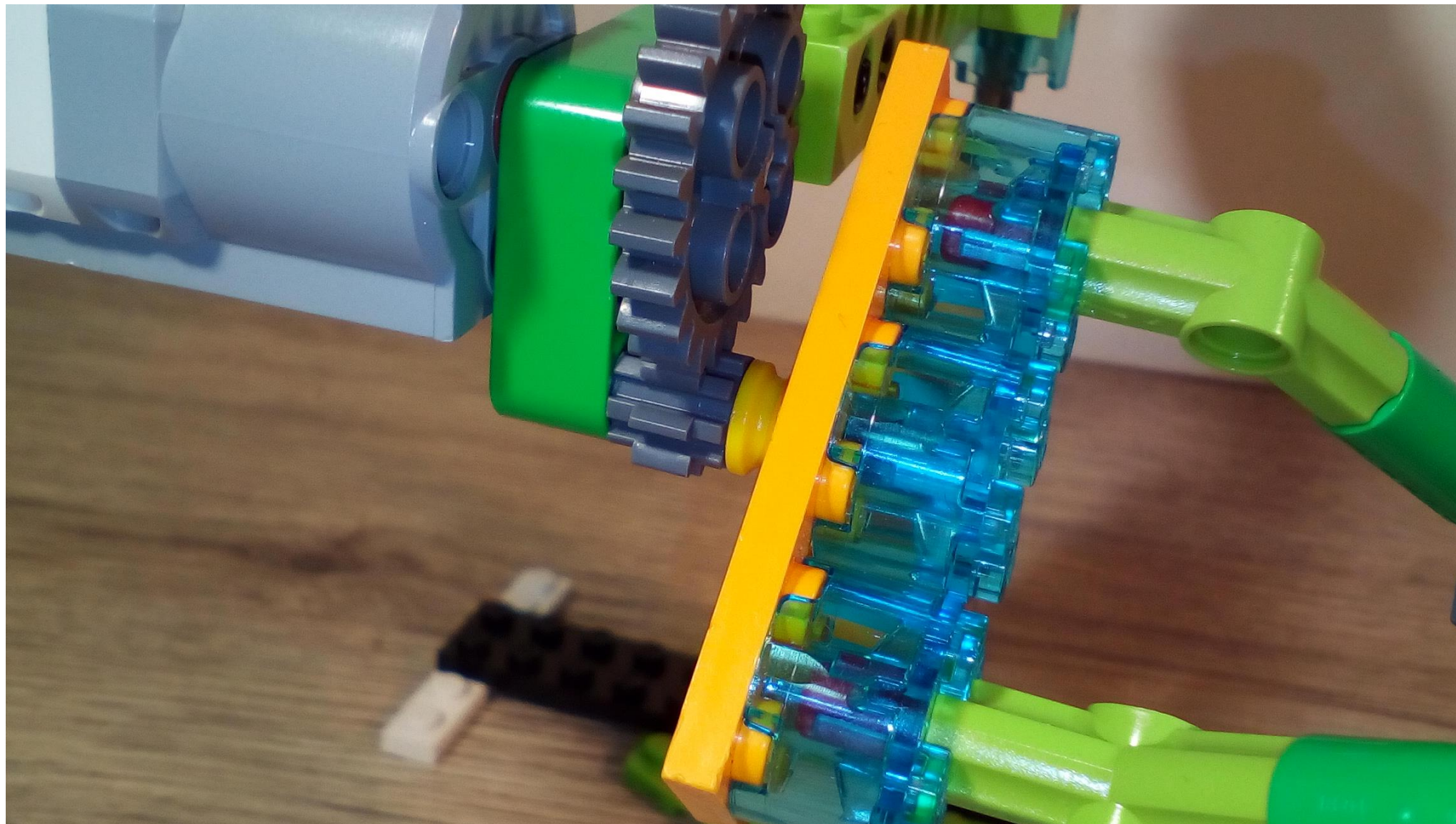
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86



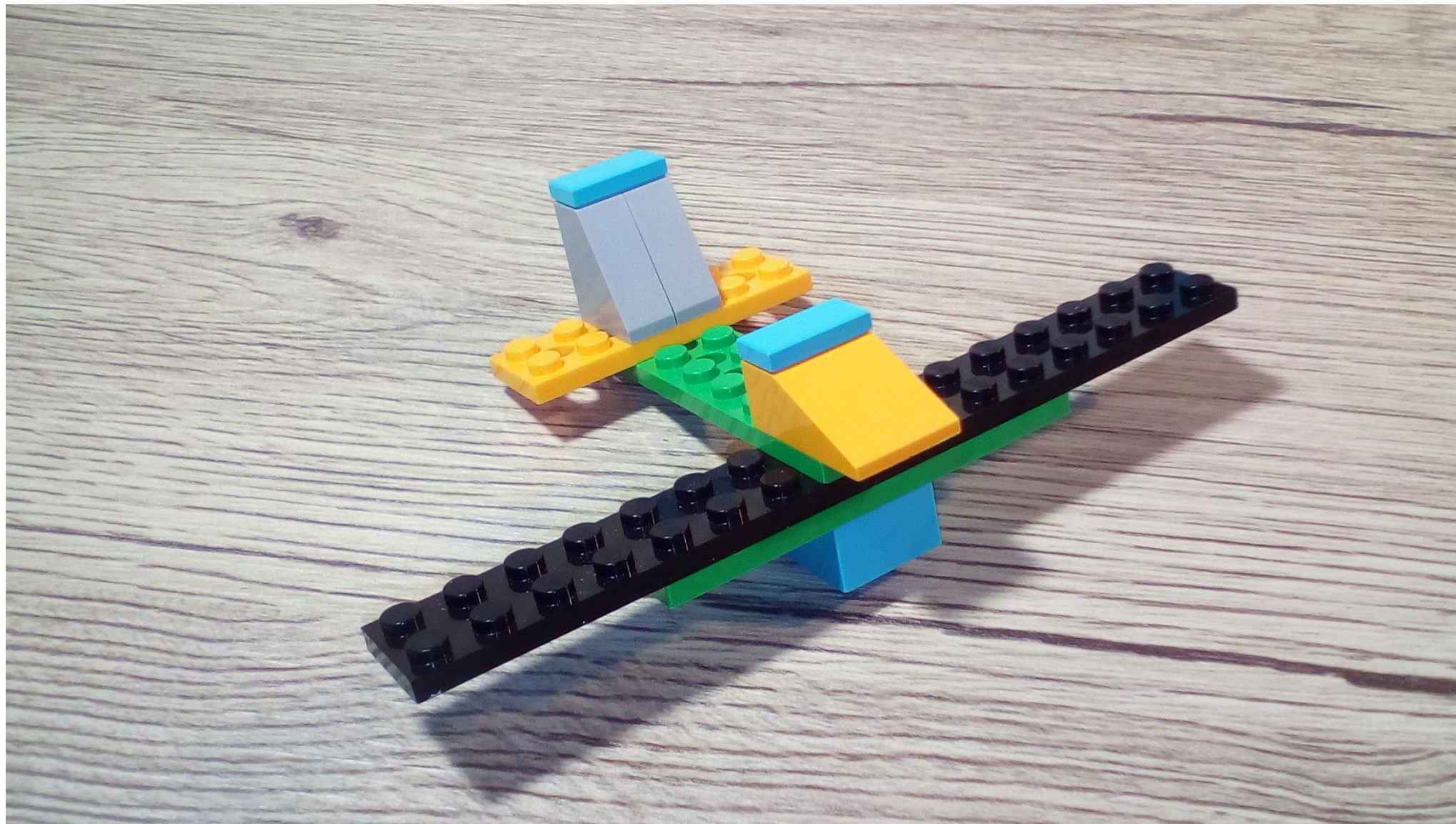
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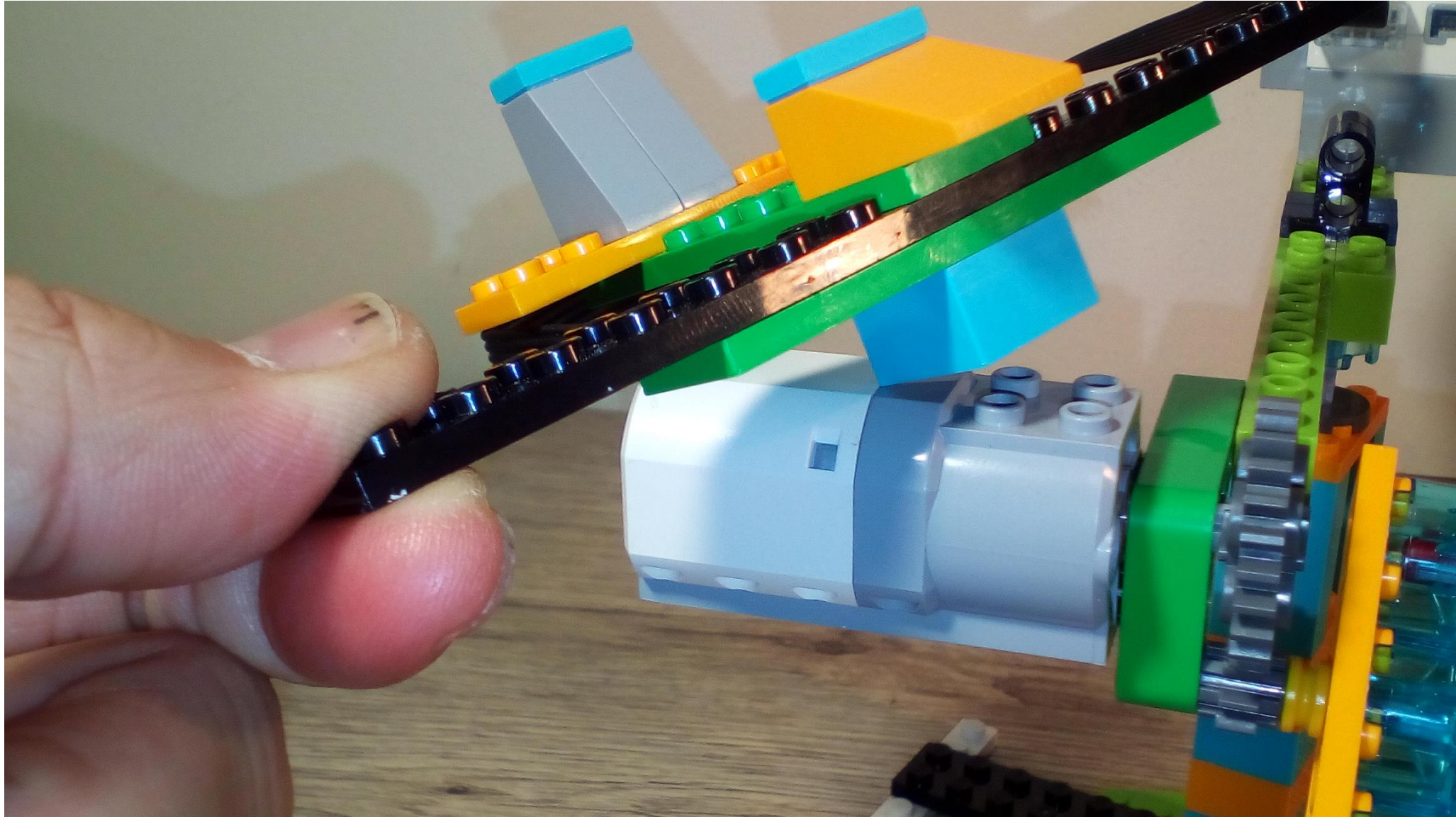
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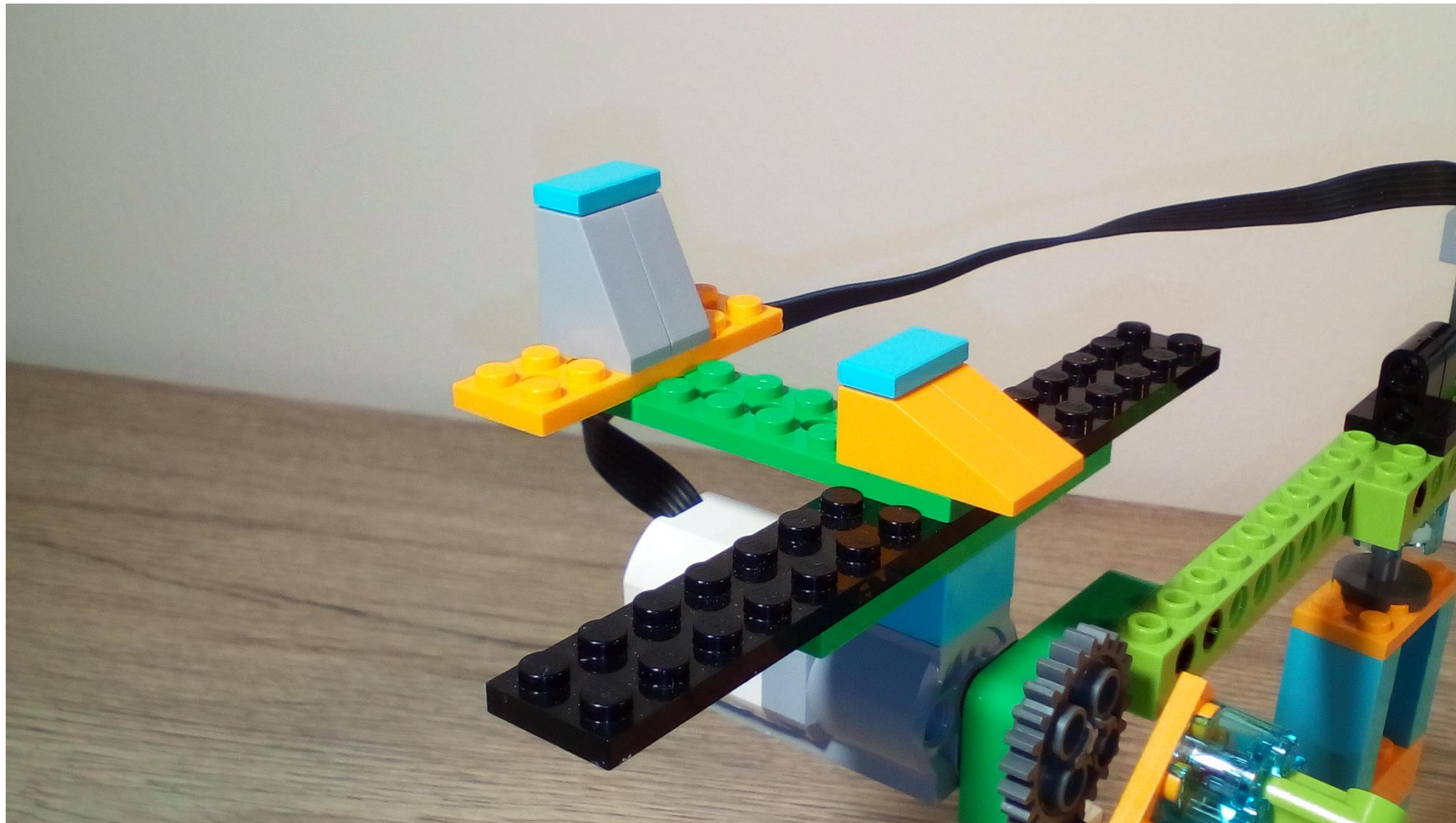
89



90



91



92



93



Deschideți tabletele și copiați codul de mai jos



*Când terminati foaia de lucru,
Dezasamblați construcția dvs
și puneți toate piesele la locul lor!*

