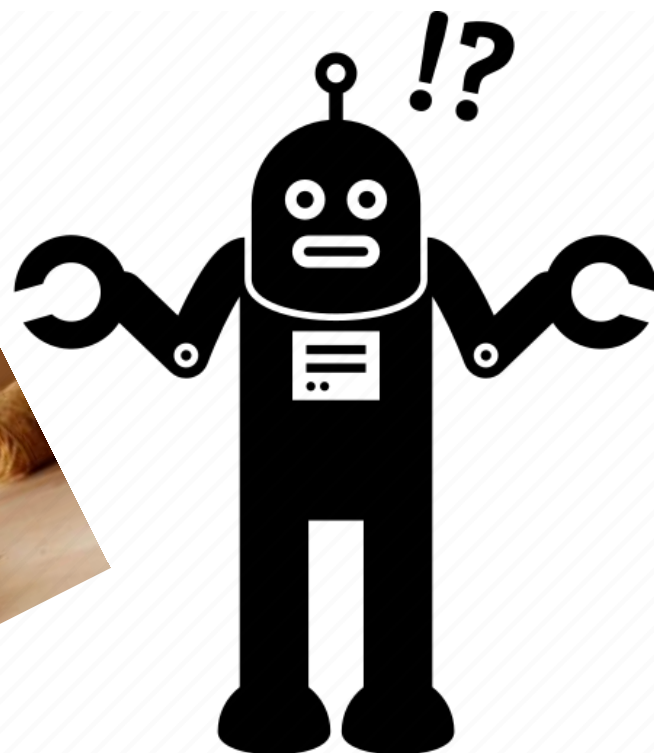
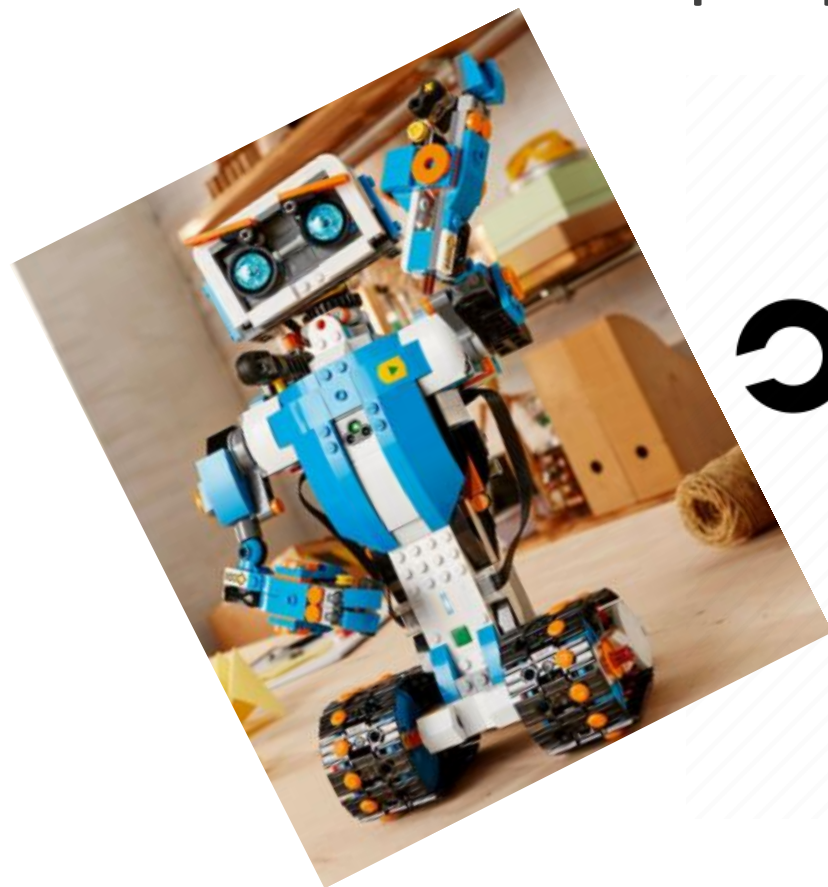




Εισαγωγή στους Αυτοματισμούς

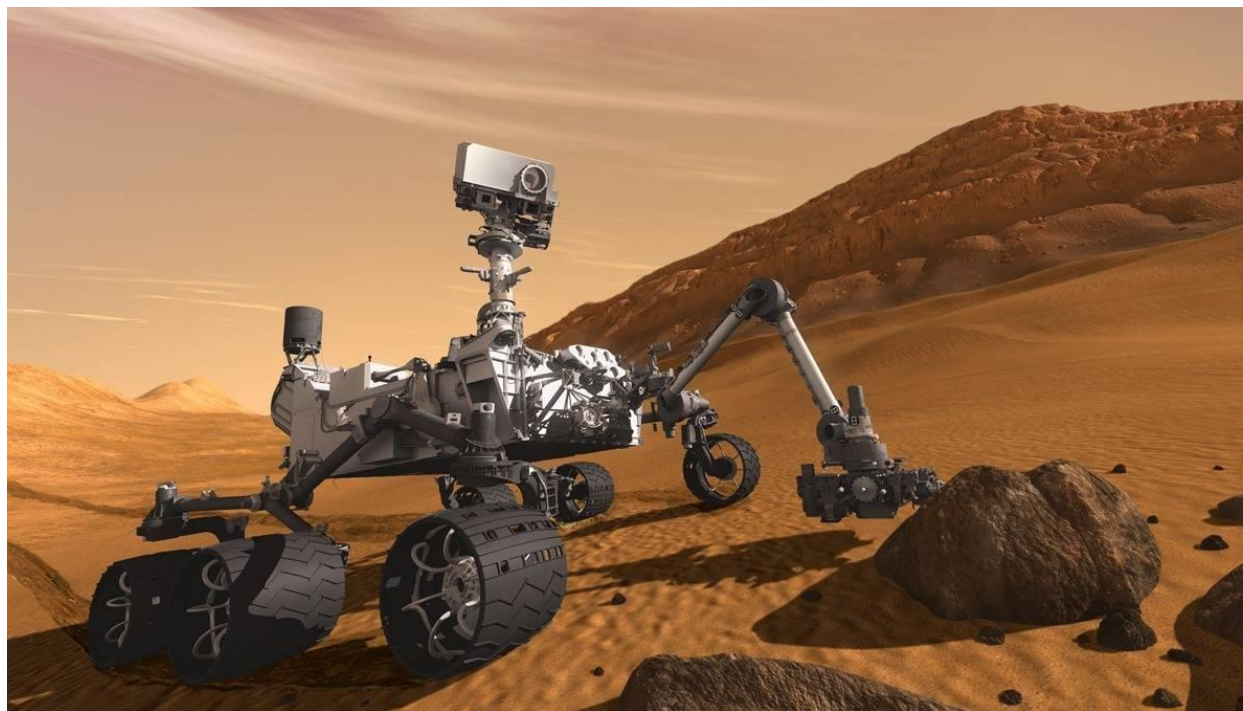
Τι είναι ένα ρομπότ;



Τα ρομπότ χρησιμοποιούνται: Στη βιομηχανία



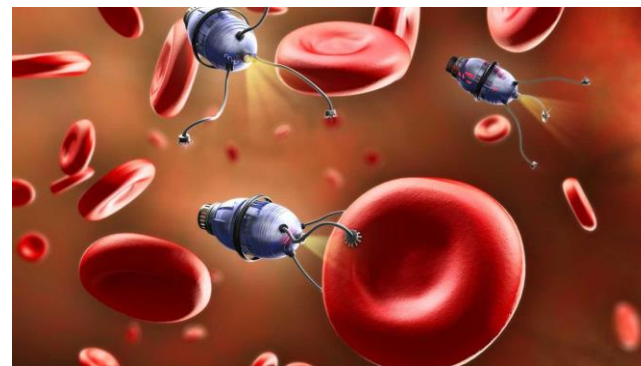
Τα ρομπότ χρησιμοποιούνται: Στο διάστημα



Τα ρομπότ χρησιμοποιούνται: Σε διασώσεις



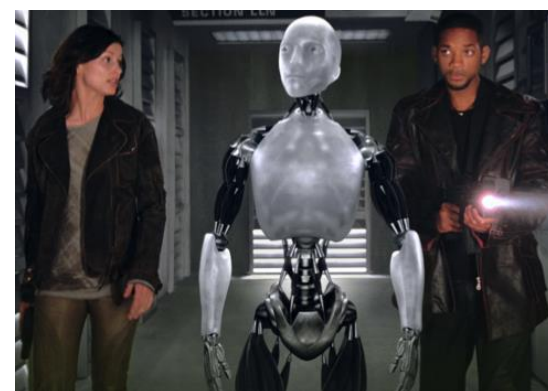
Τα ρομπότ χρησιμοποιούνται: Στην ιατρική



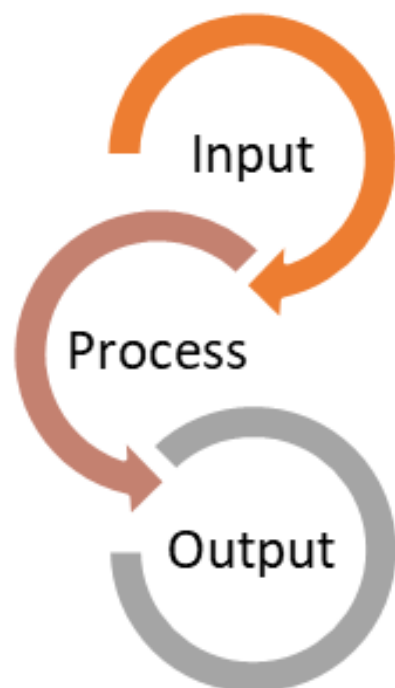
Τα ρομπότ χρησιμοποιούνται: Στο σπίτι



Τα ρομπότ χρησιμοποιούνται: Στον κινηματογράφο



Το ρομπότ είναι μια μηχανή που περιέχει πολλούς αυτοματισμούς



Κάθε αυτοματισμός αποτελείται από τρία μέρη:

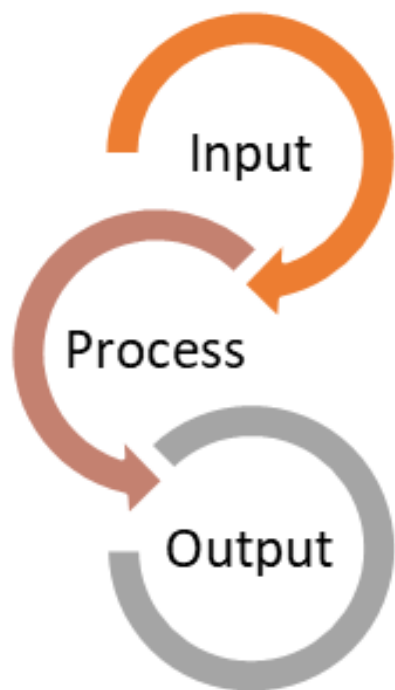
1) Είσοδος: η πληροφορία εισάγεται στο σύστημα με έναν αισθητήρα (μια συσκευή που καταγράφει αλλαγές στο περιβάλλον) **ΑΙΤΙΟ**

2) Επεξεργασία: η λογική διαδικασία που χρησιμοποιεί την πληροφορία από την είσοδο για να καταλήξει σε κάποια αντίδραση

3) Έξοδος: εκτέλεση της αντίδρασης **ΑΠΟΤΕΛΕΣΜΑ**

Μπορείτε να σκεφτείτε ομοιότητες με τον τρόπο αντίδρασης του ανθρώπου στα ερεθίσματα;

Το ρομπότ μιμείται τον άνθρωπο: Βιομιμητισμός



1) Είσοδος



2) Επεξεργασία



3) Έξοδος



Ανοίξτε το κουτί σας



Εγκέφαλος

Αισθητήρας
Απόστασης



Αισθητήρας
Κλίσης



Κινητήρας



Τα αεροπλάνα πετάνε πάντα μέσα στον αέρα της ατμόσφαιρας, σωστά;

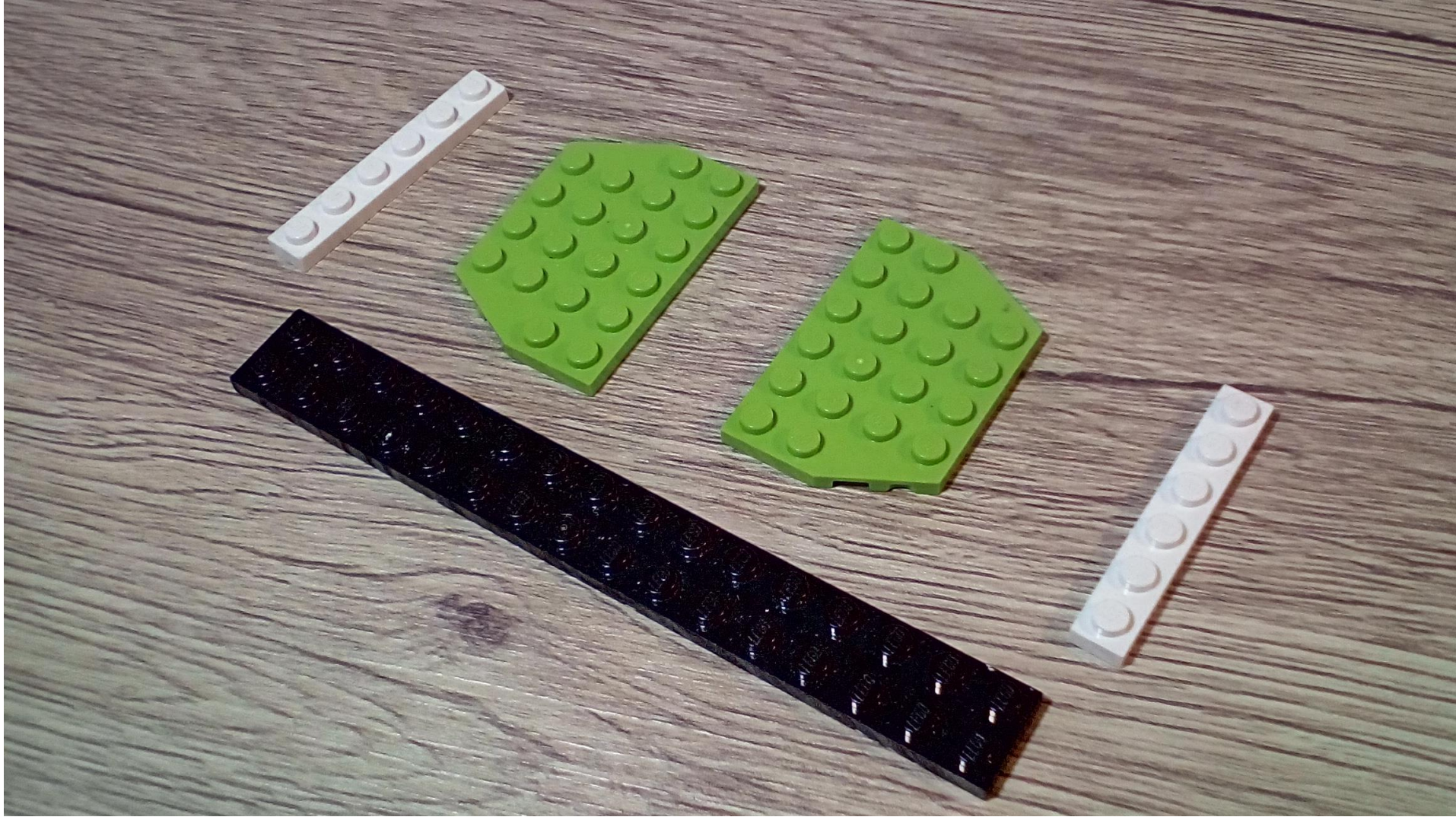
Ναι!

Θα μπορούσαμε άραγε να δούμε πώς επηρεάζει ο αέρας την κίνηση ενός αεροπλάνου;

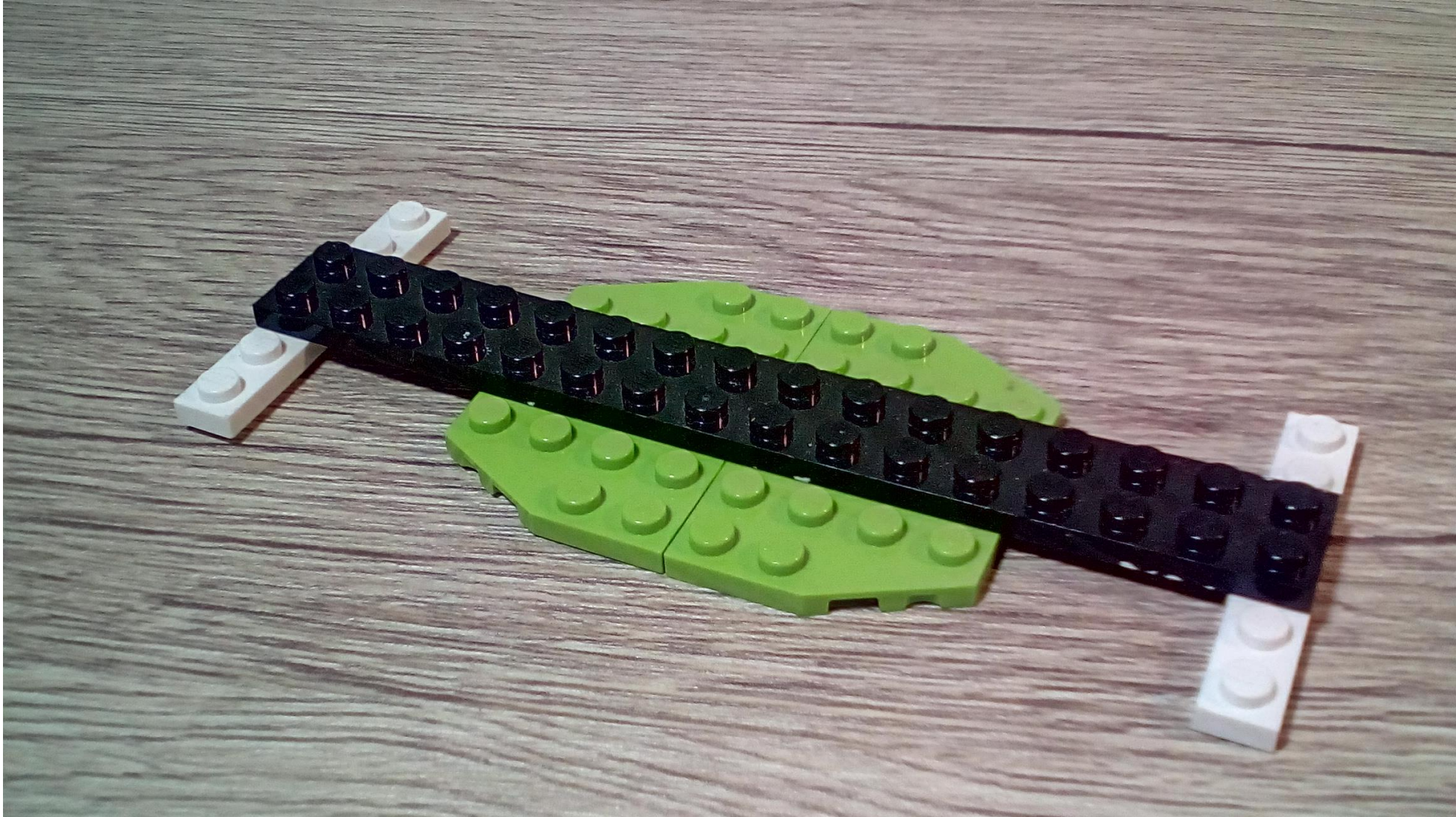
Ναι! Μπορούμε να κατασκευάσουμε ένα αεροπλάνο που περιστρέφεται εξαιτίας του αέρα!



1



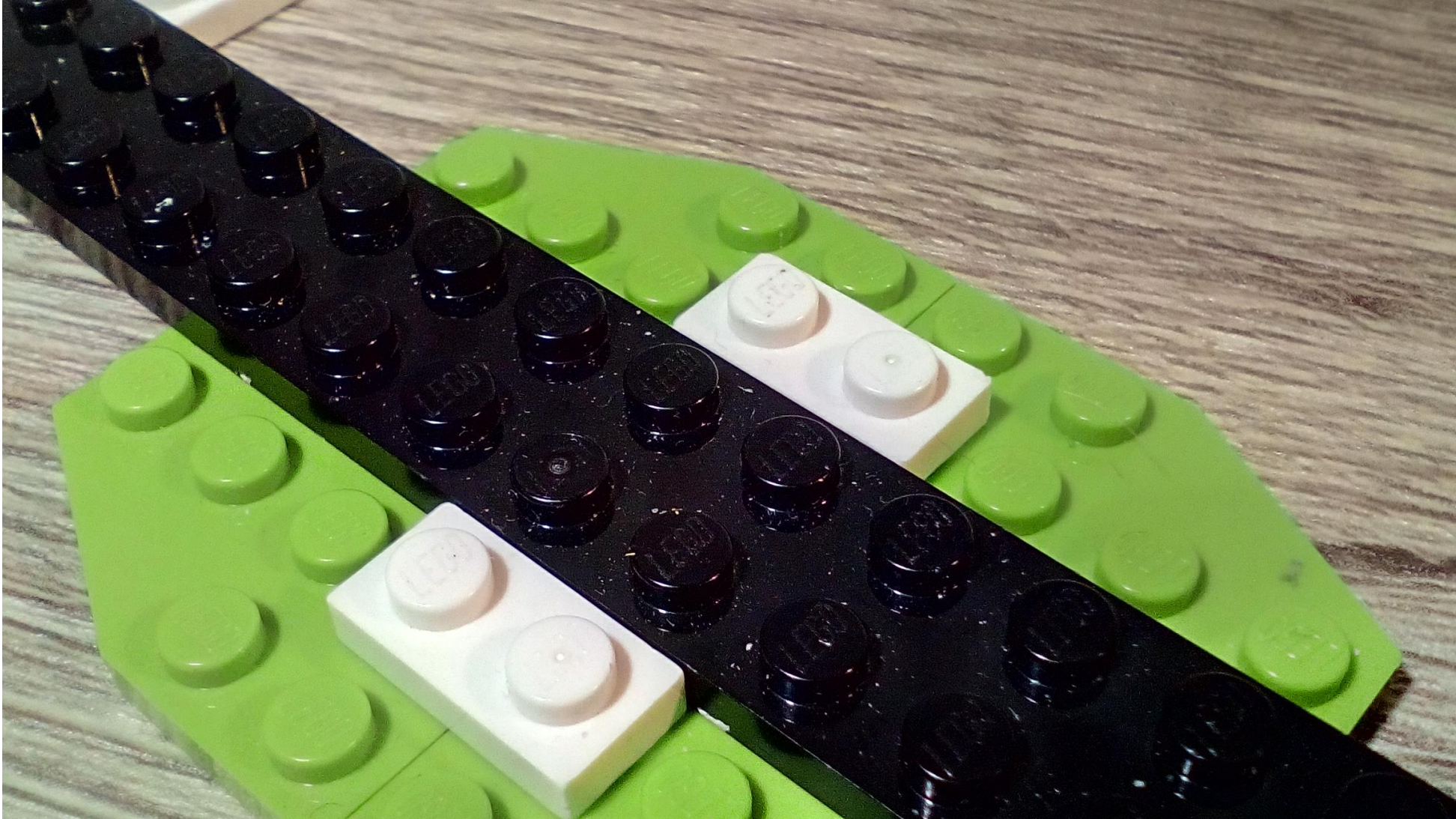
2



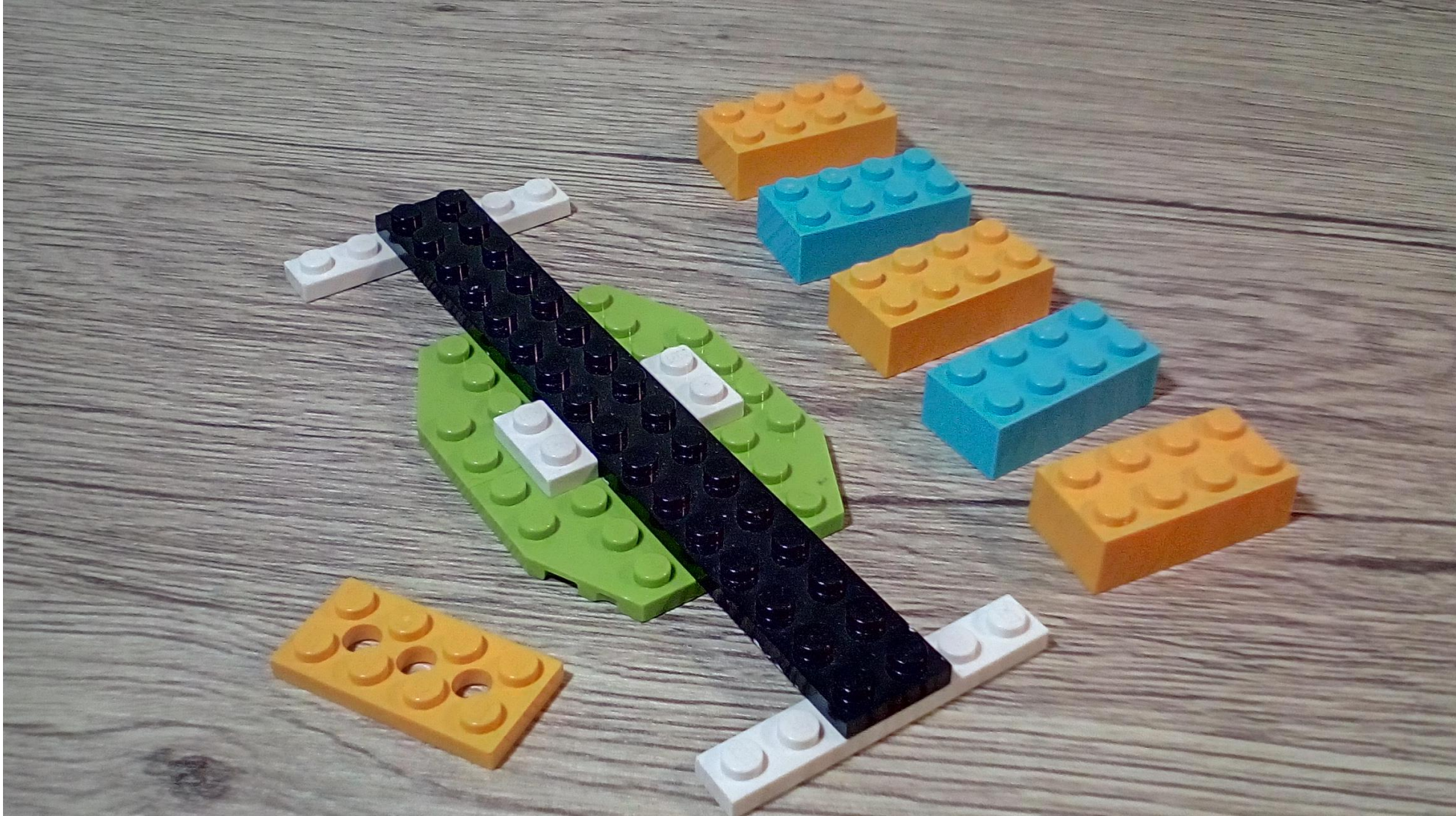
3



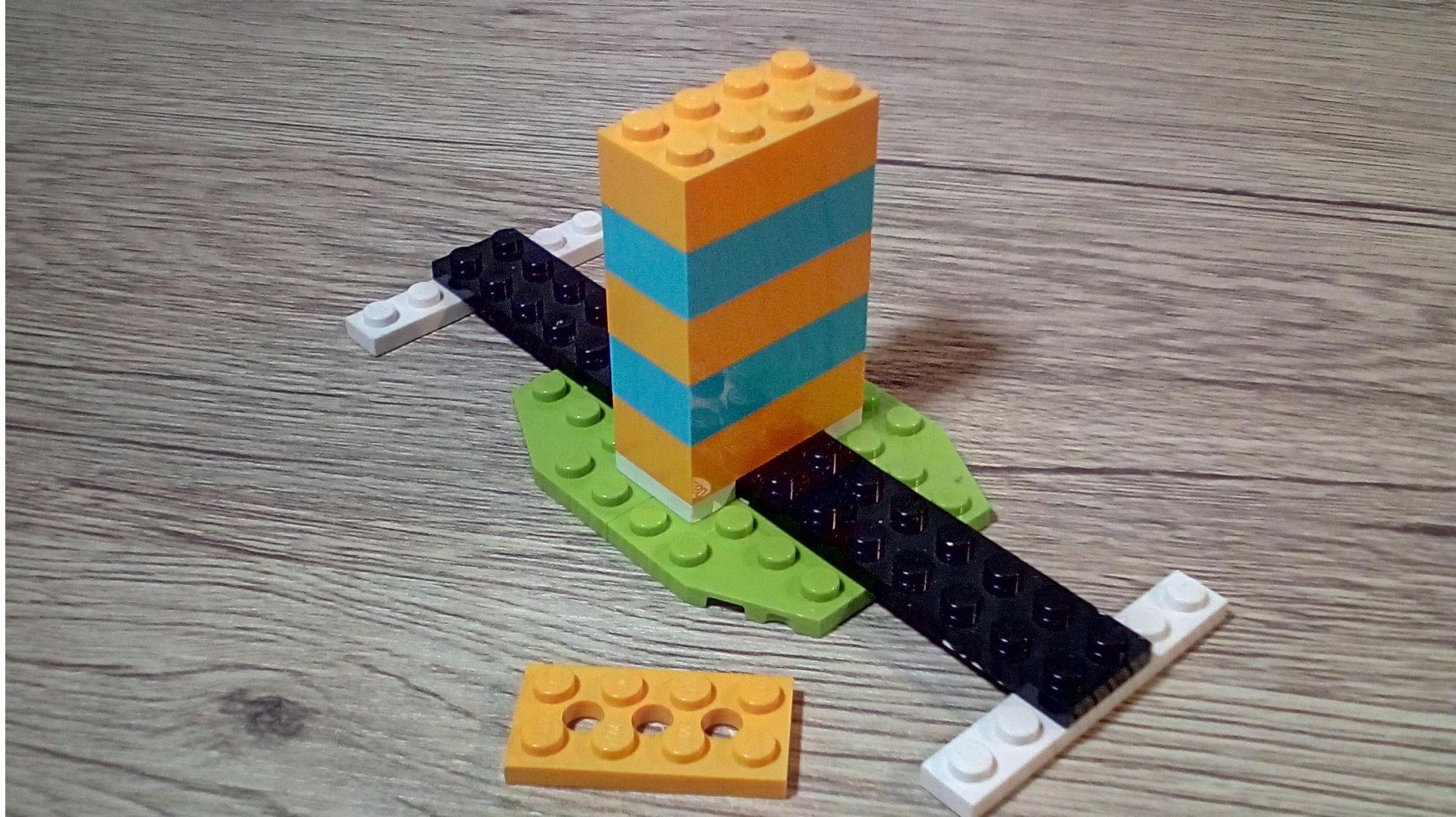
4



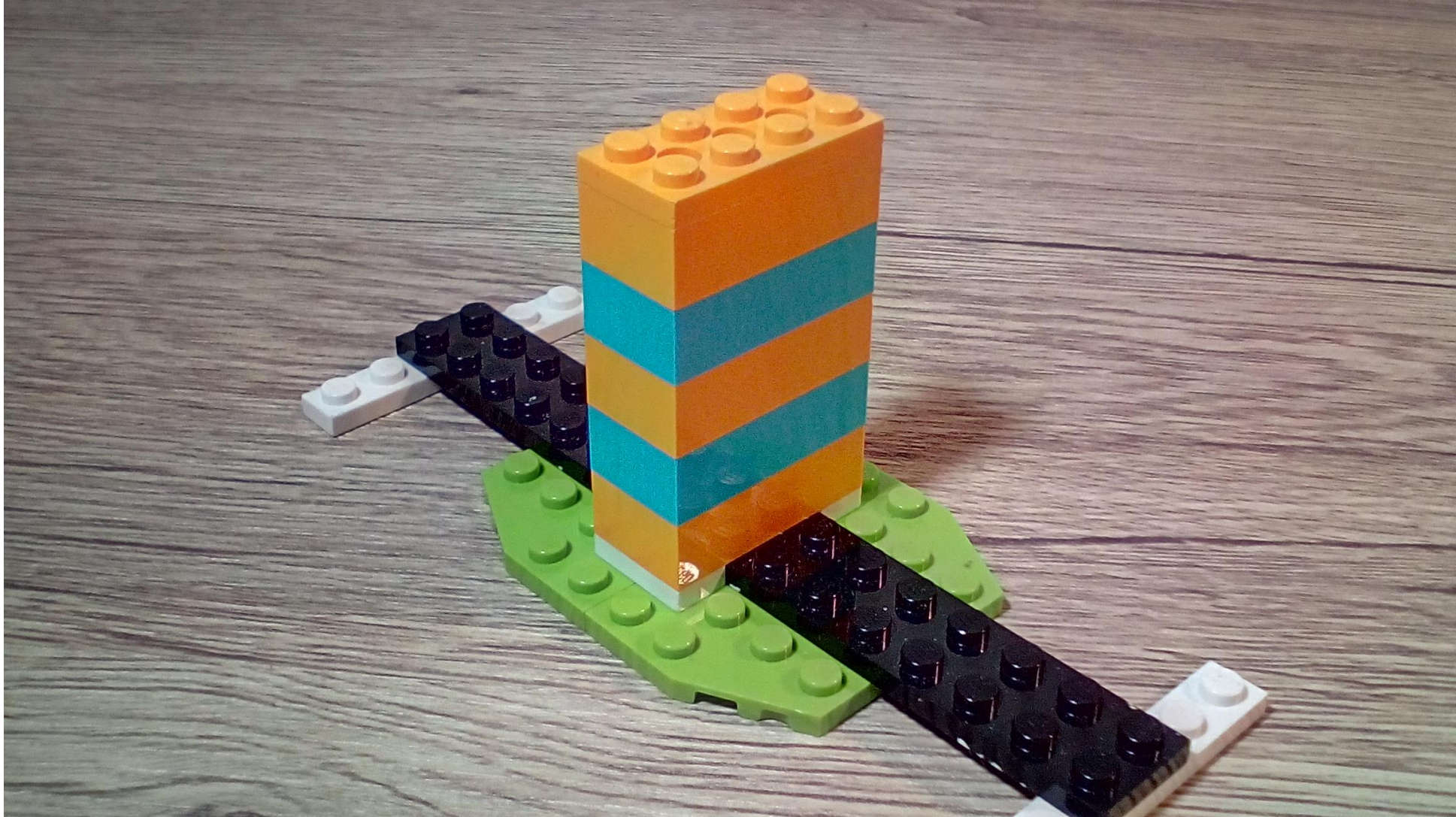
5



6



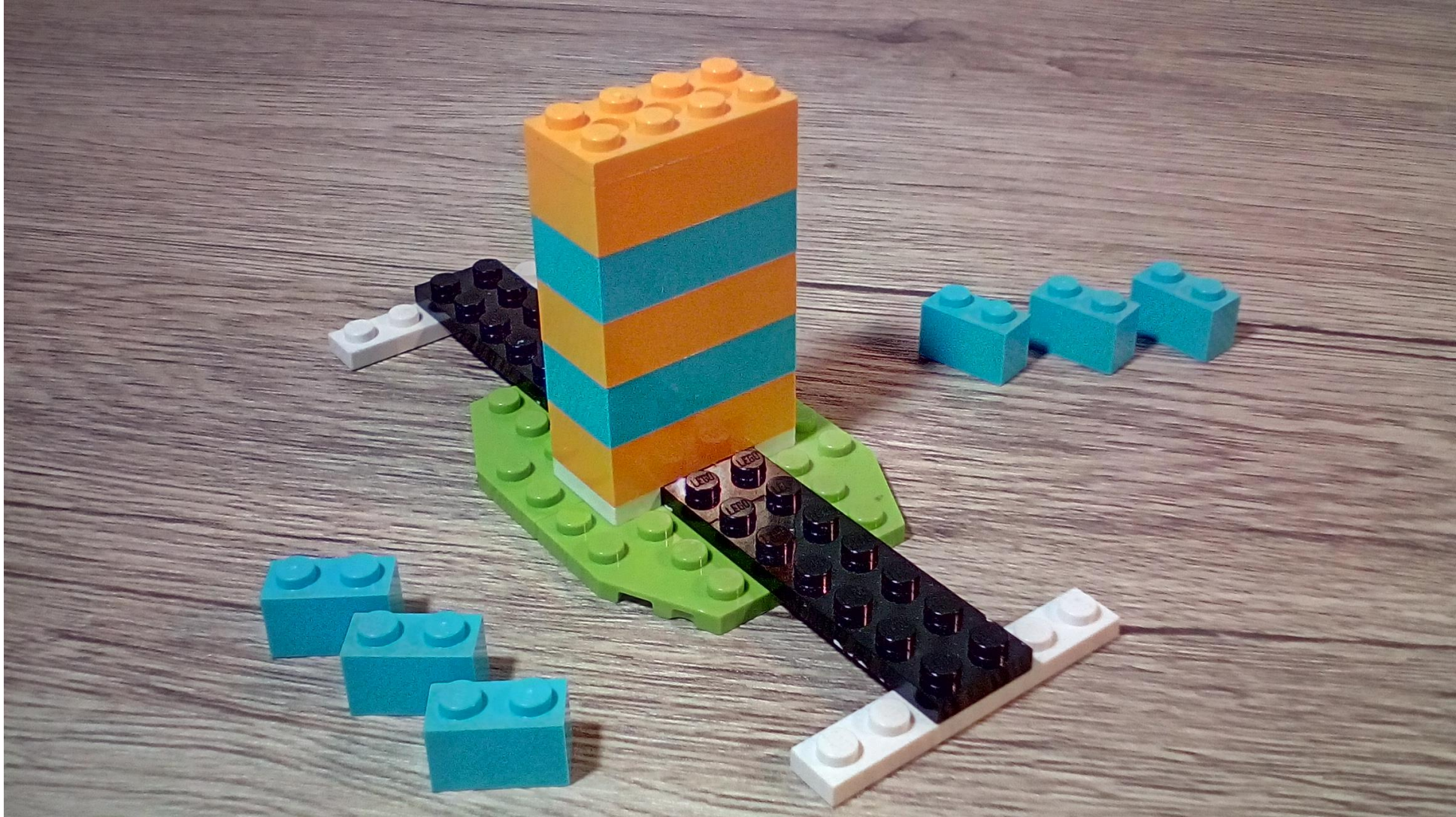
7



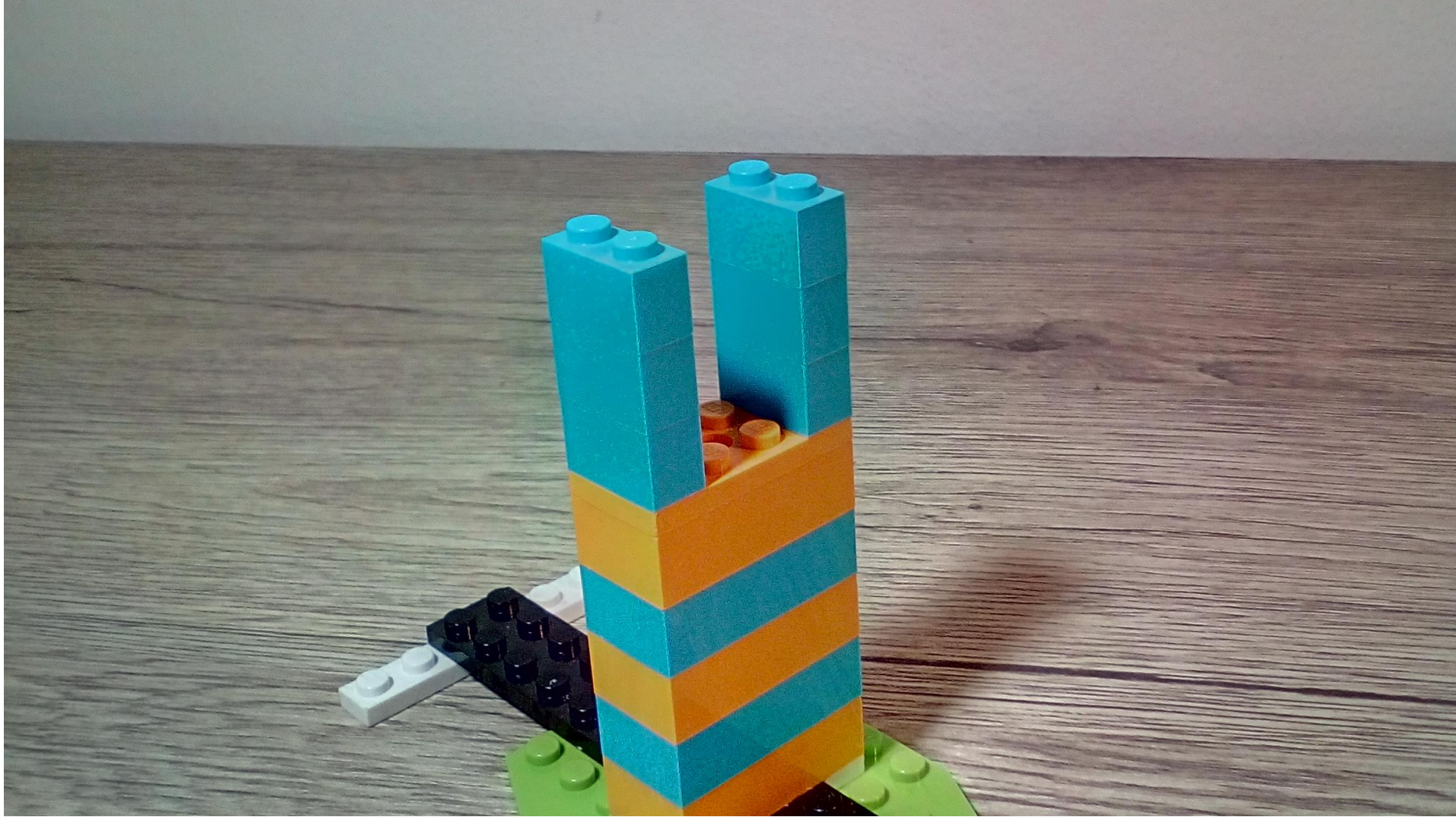
8



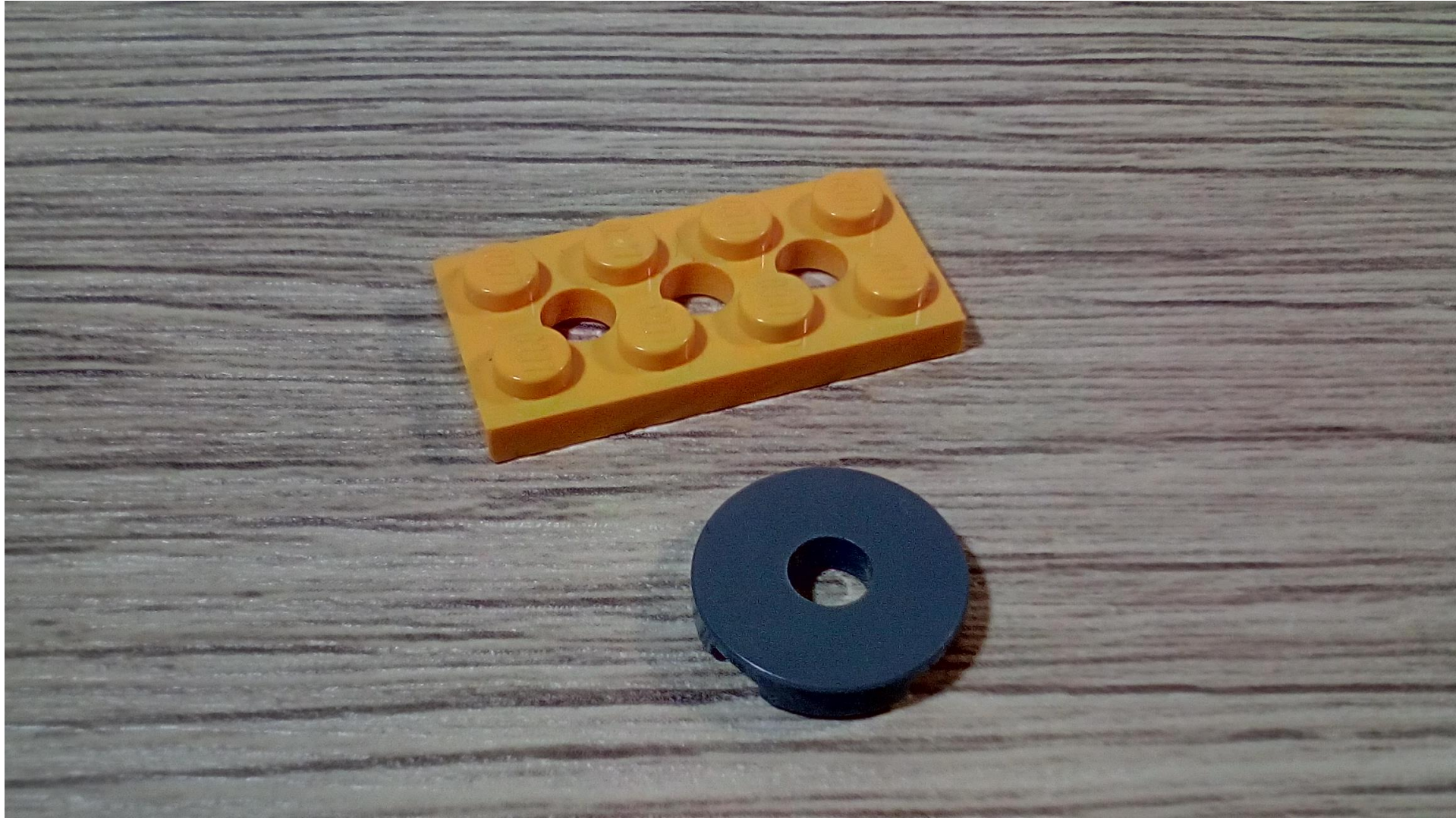
9



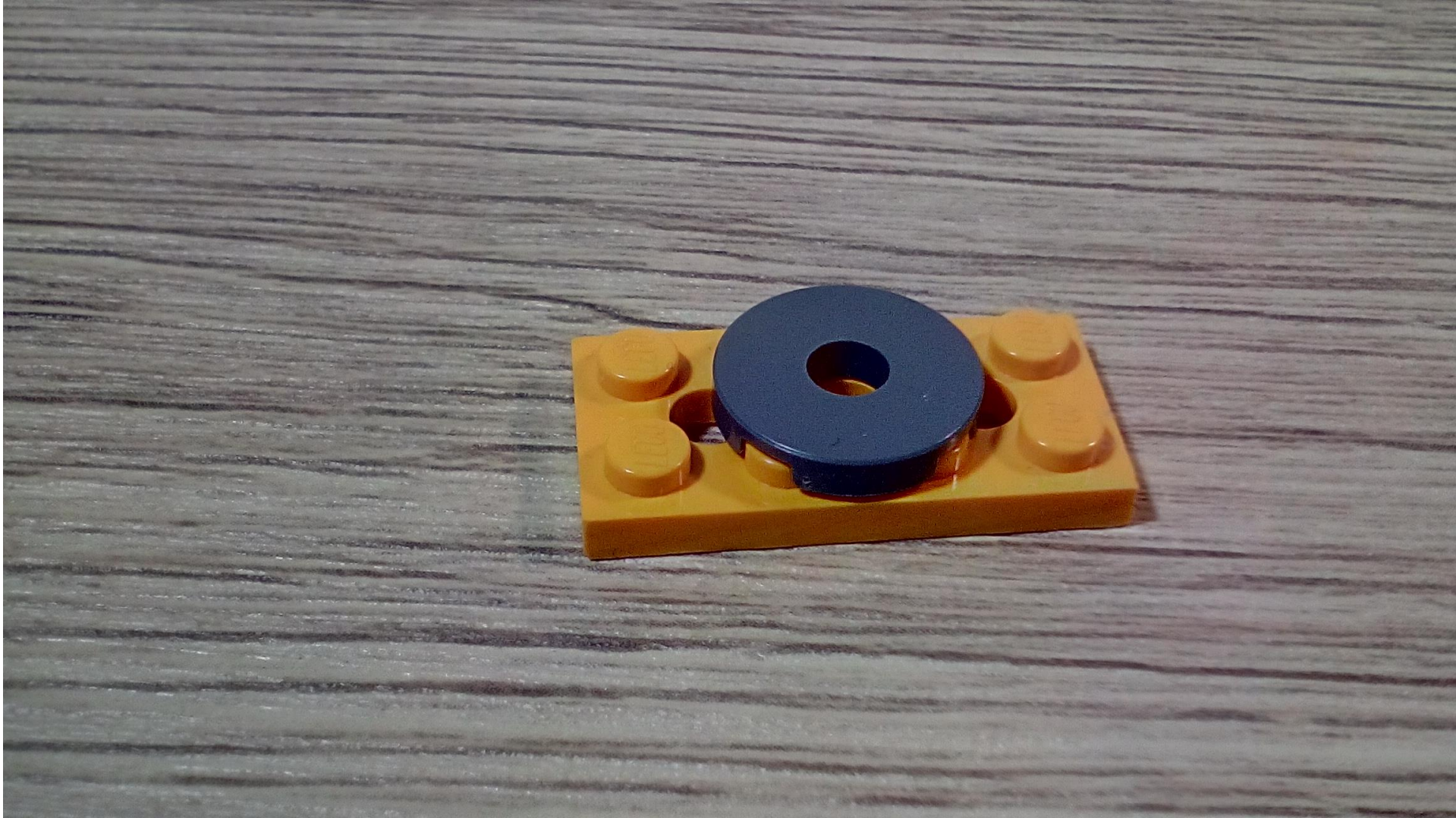
10



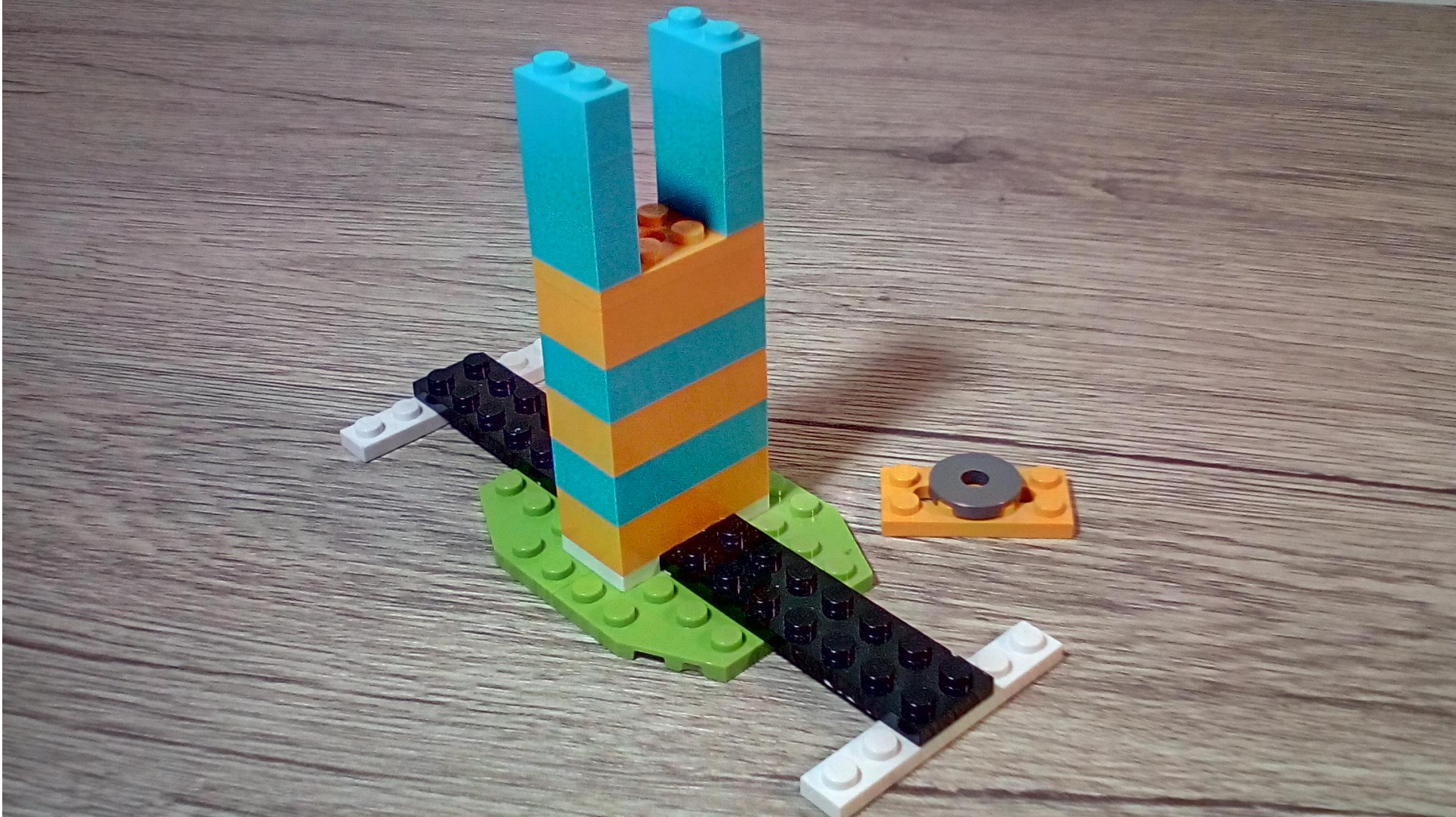
11



12



13



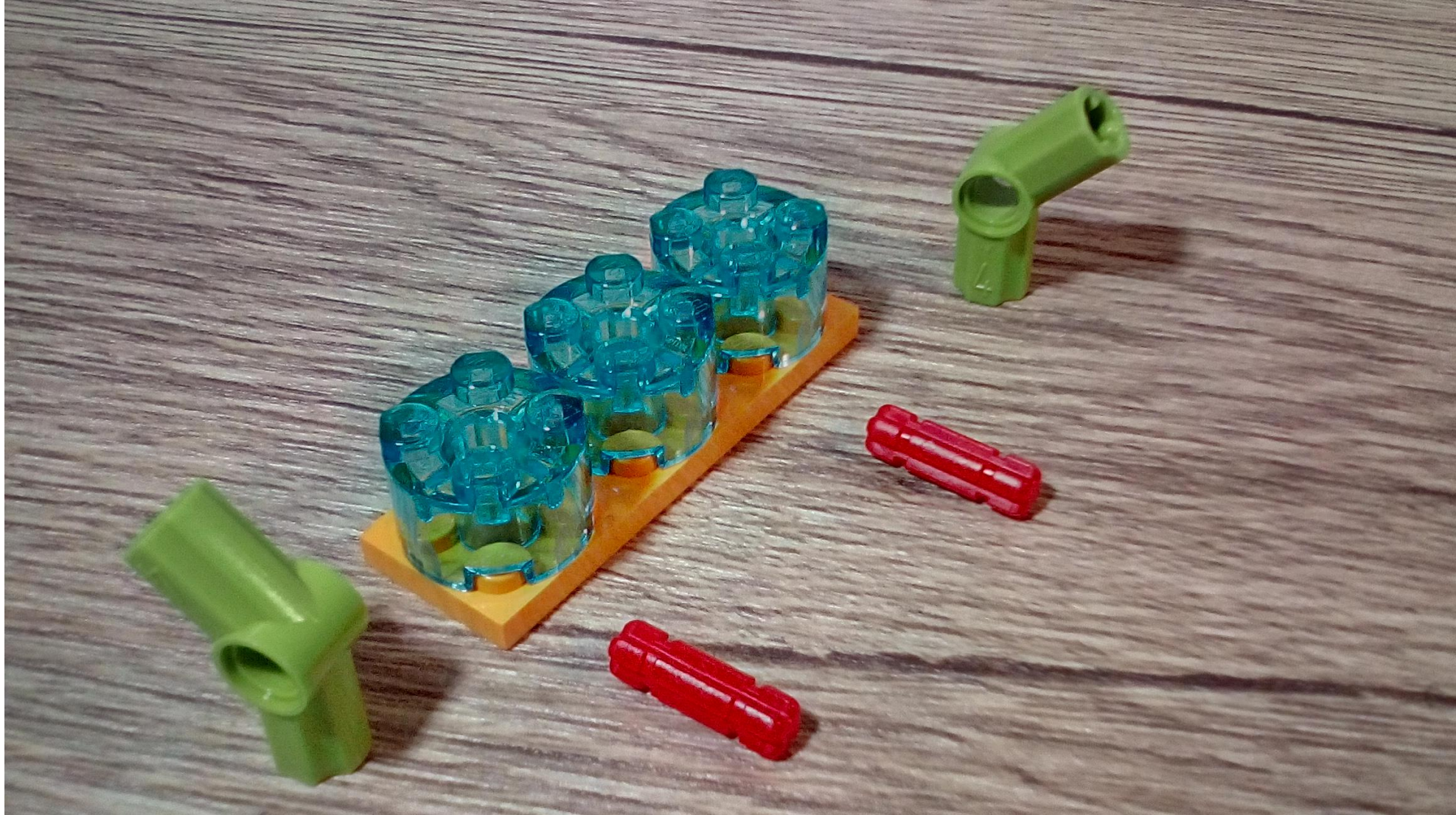
14



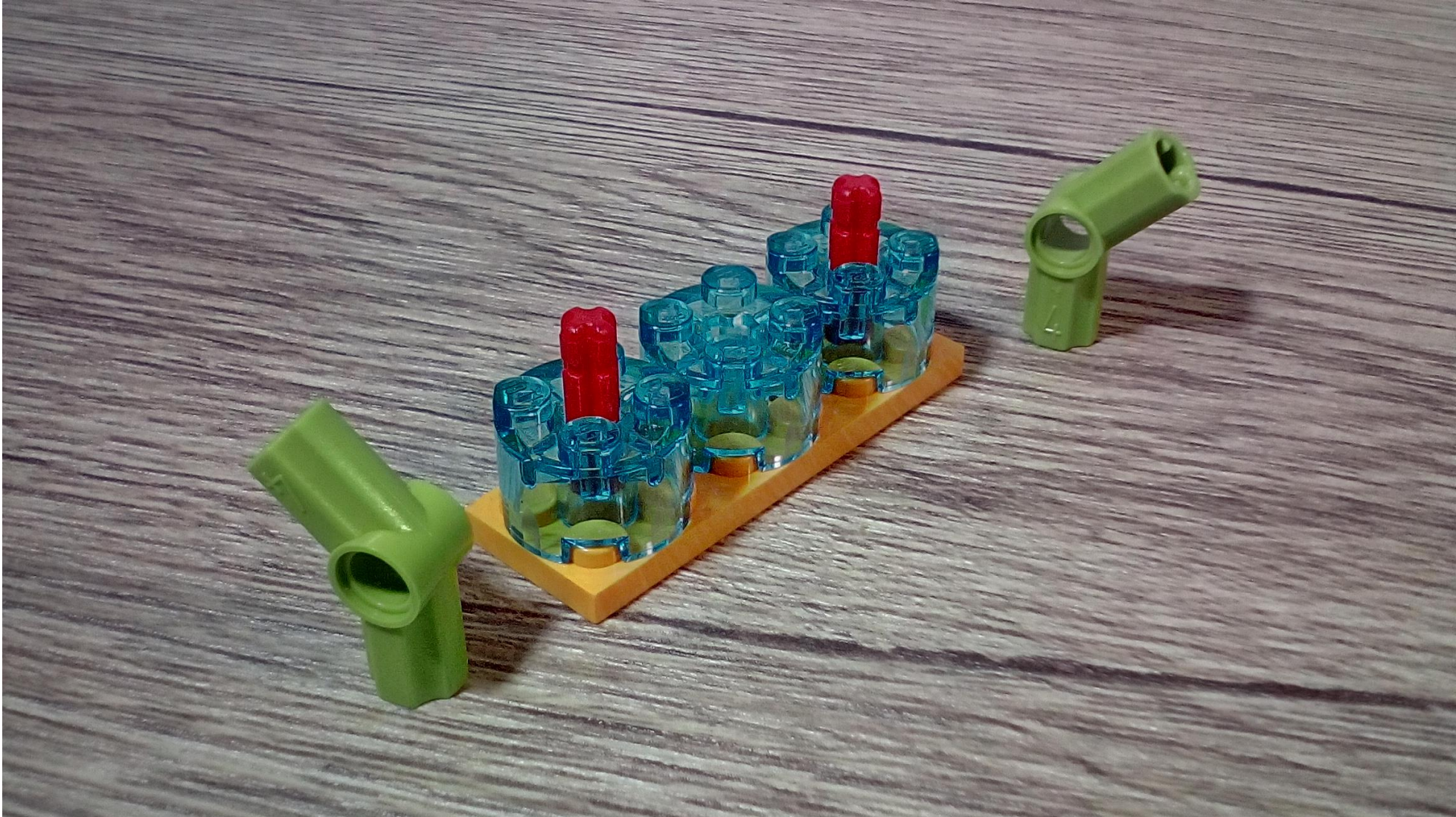
15



16



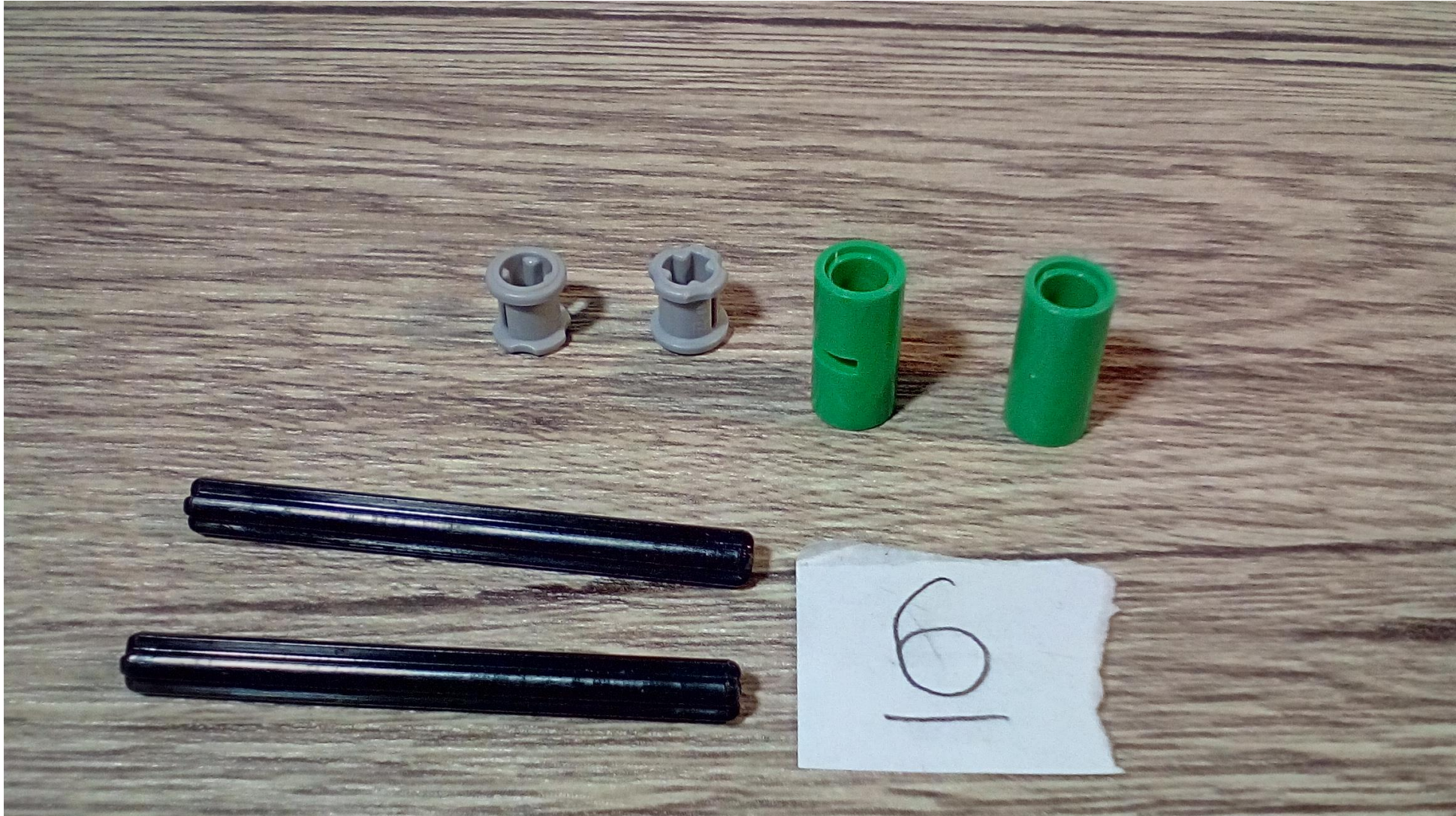
17



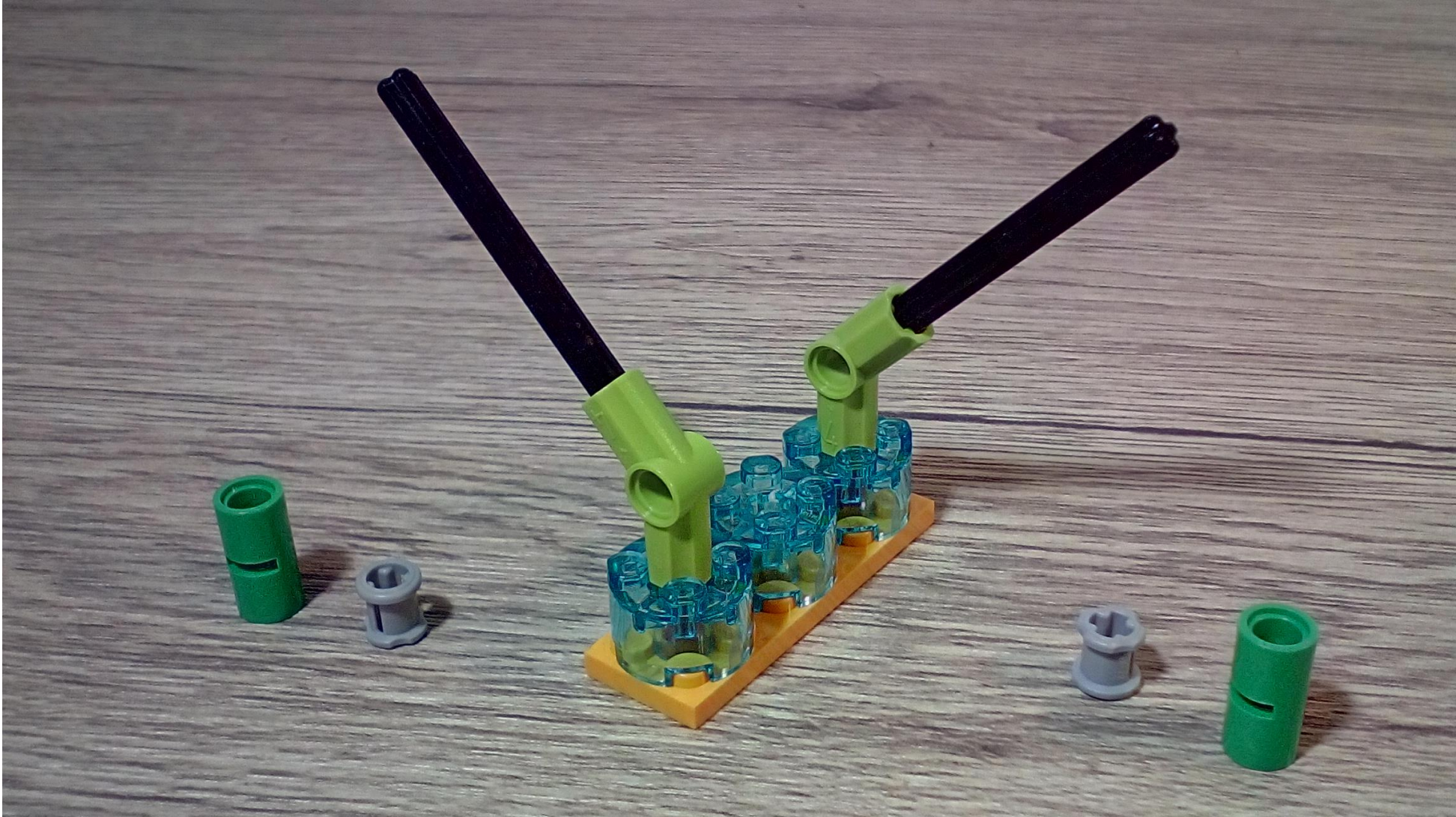
18



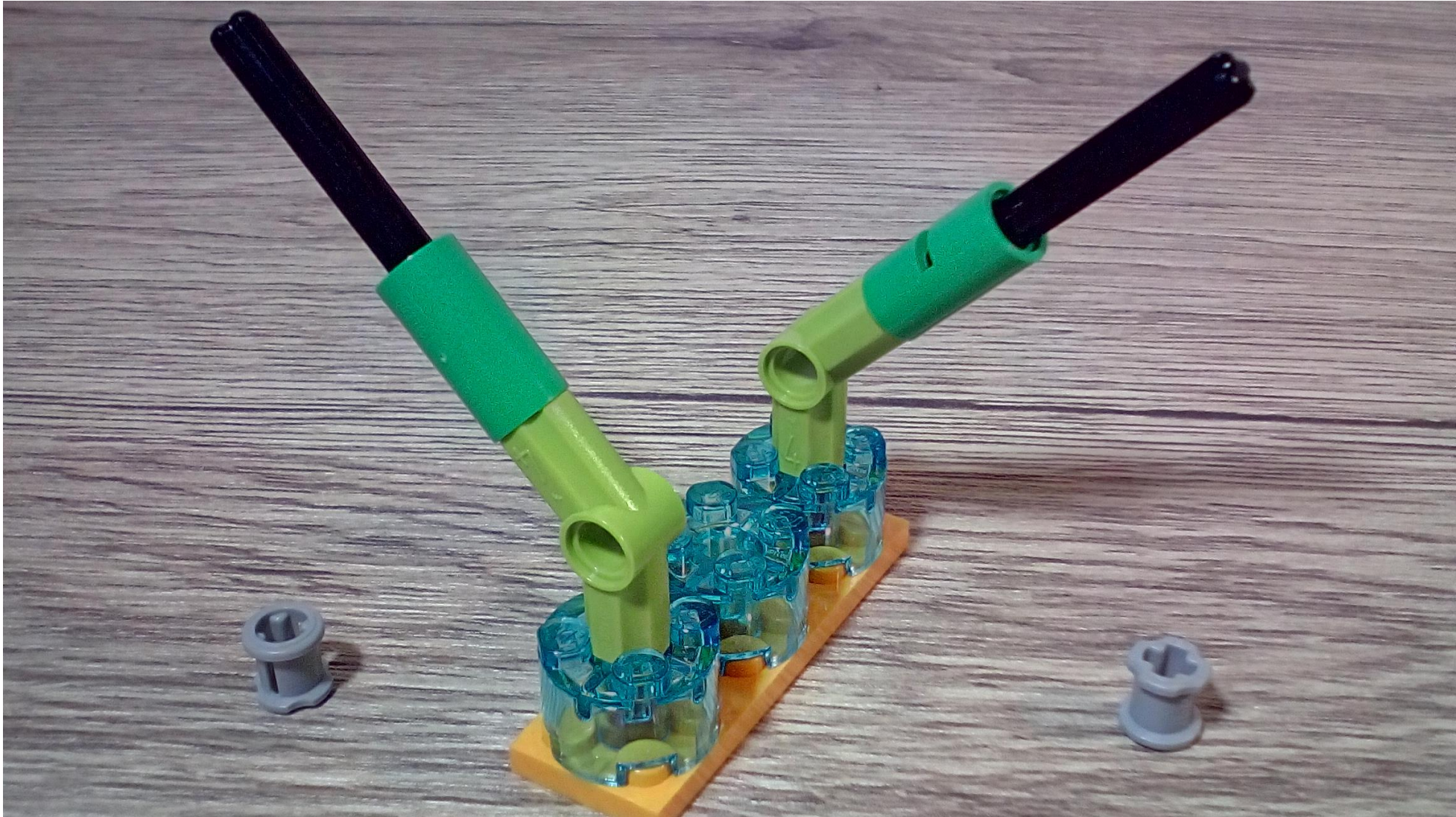
19



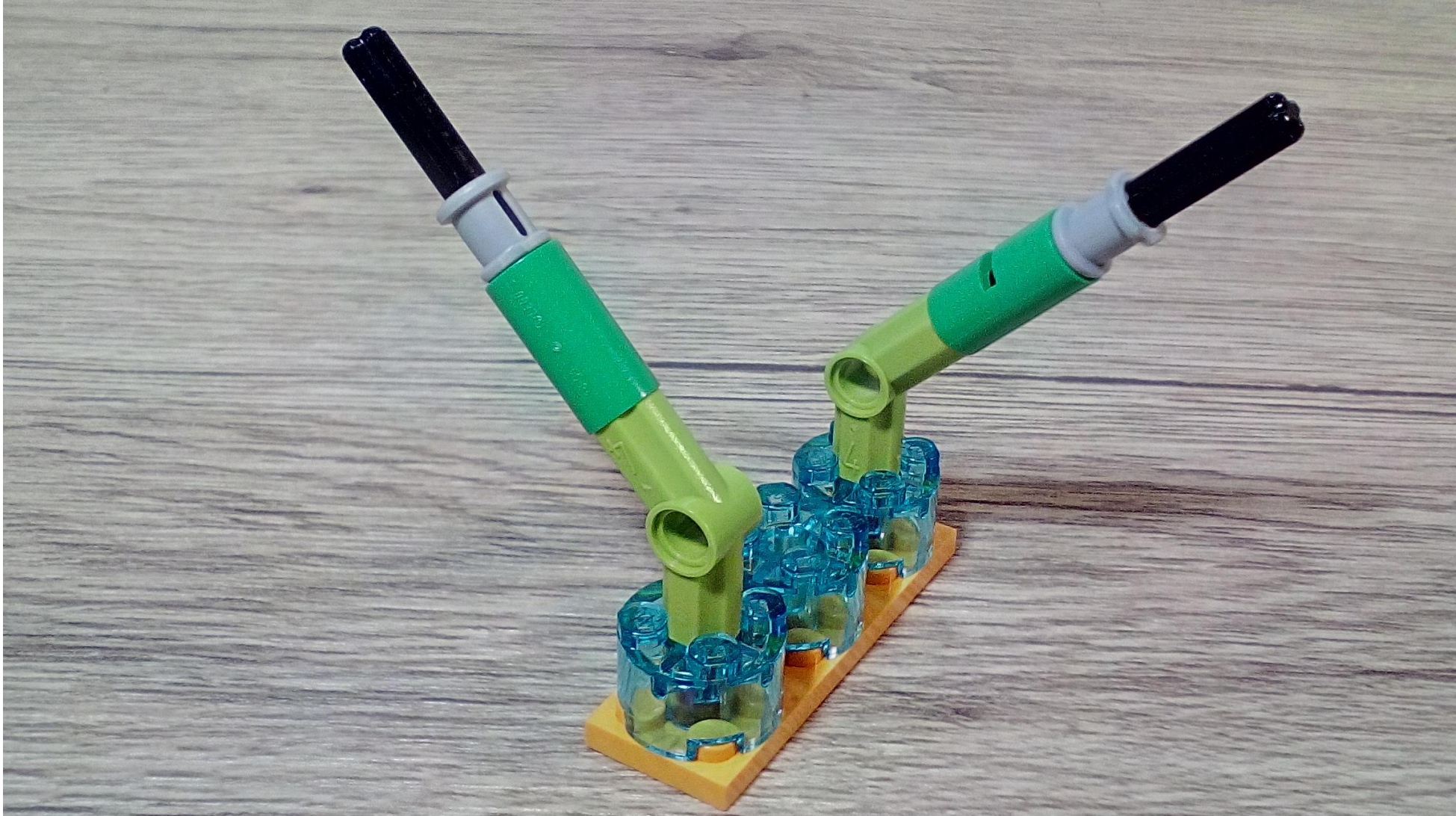
20



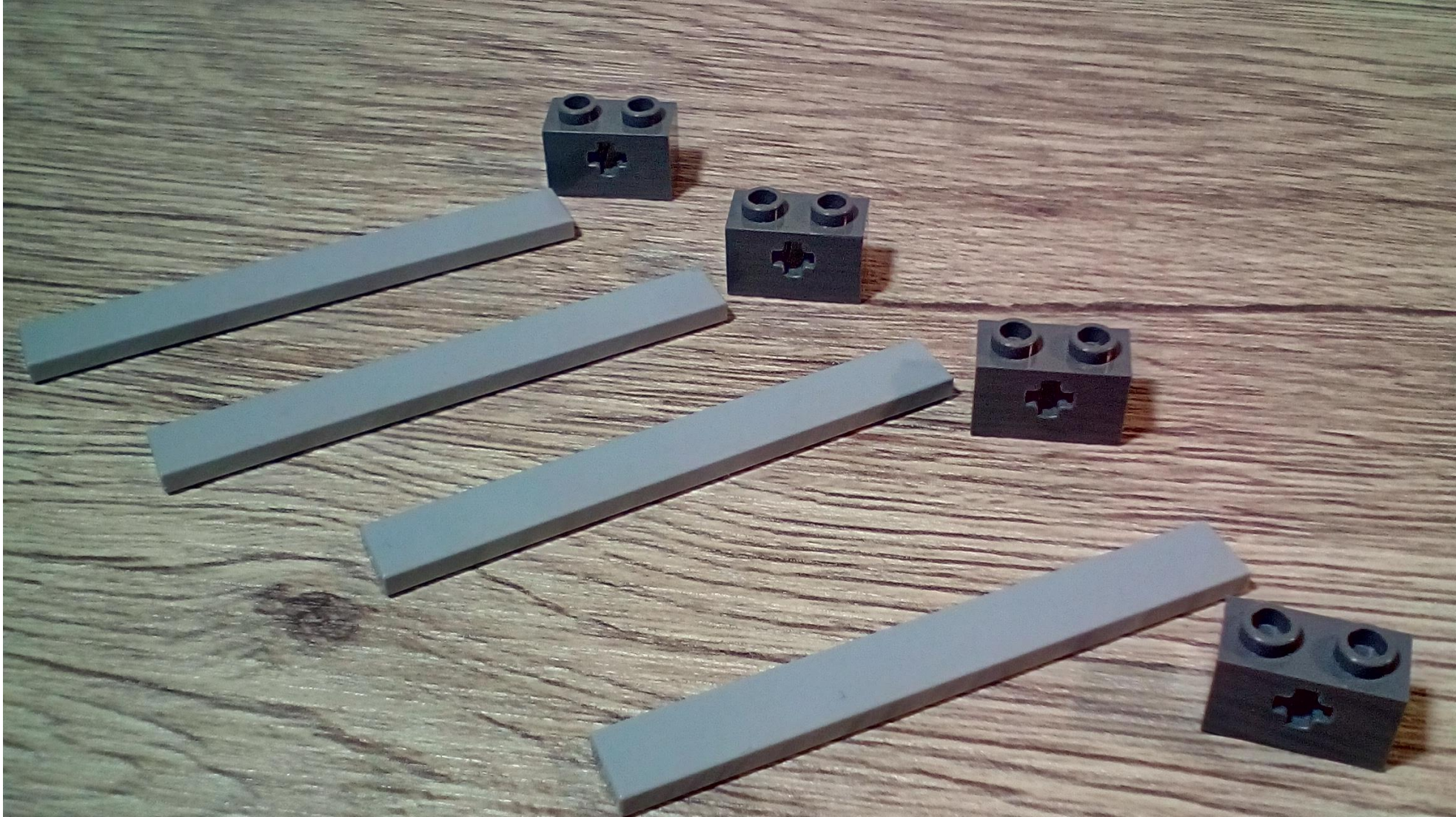
21



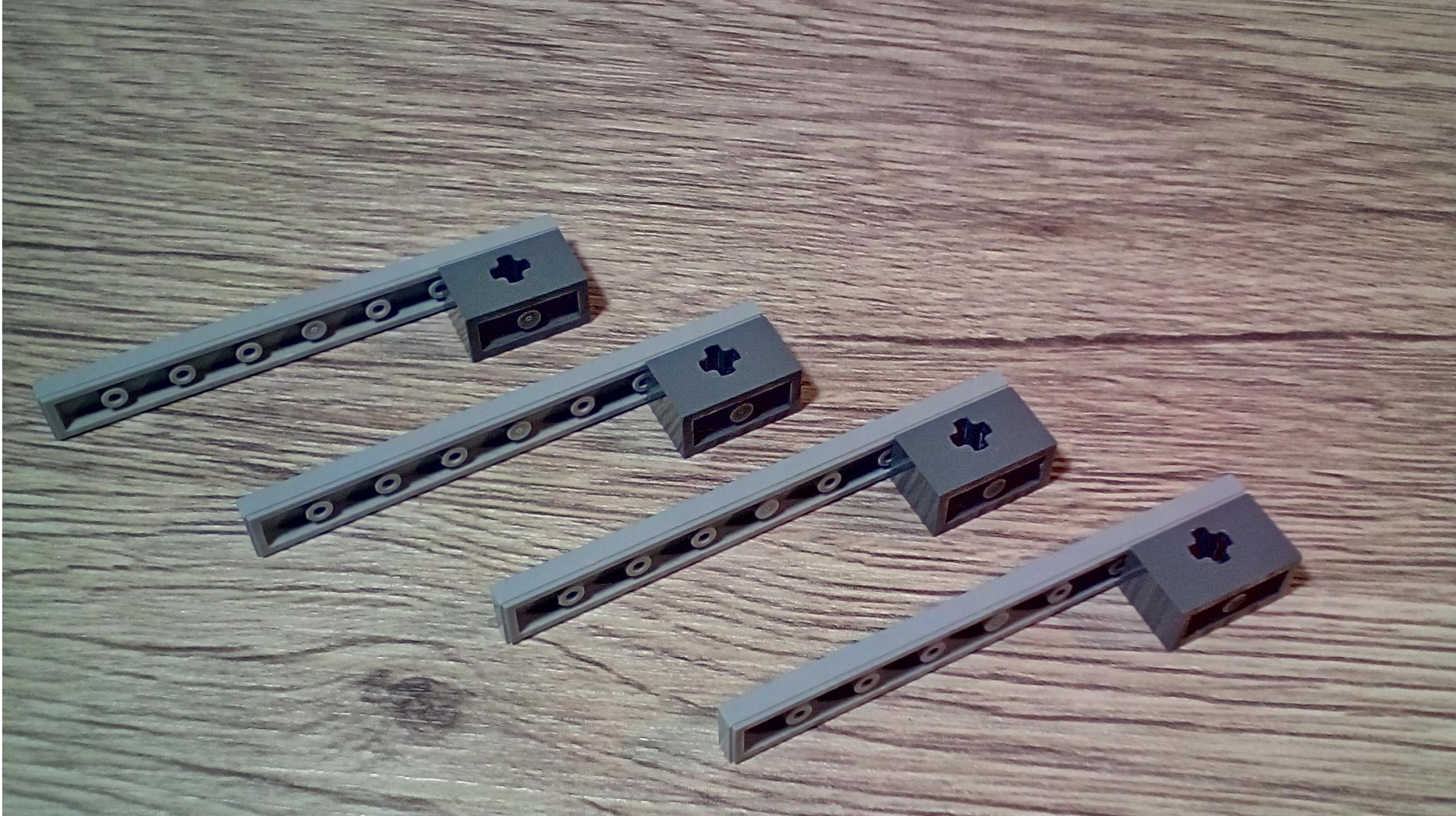
22



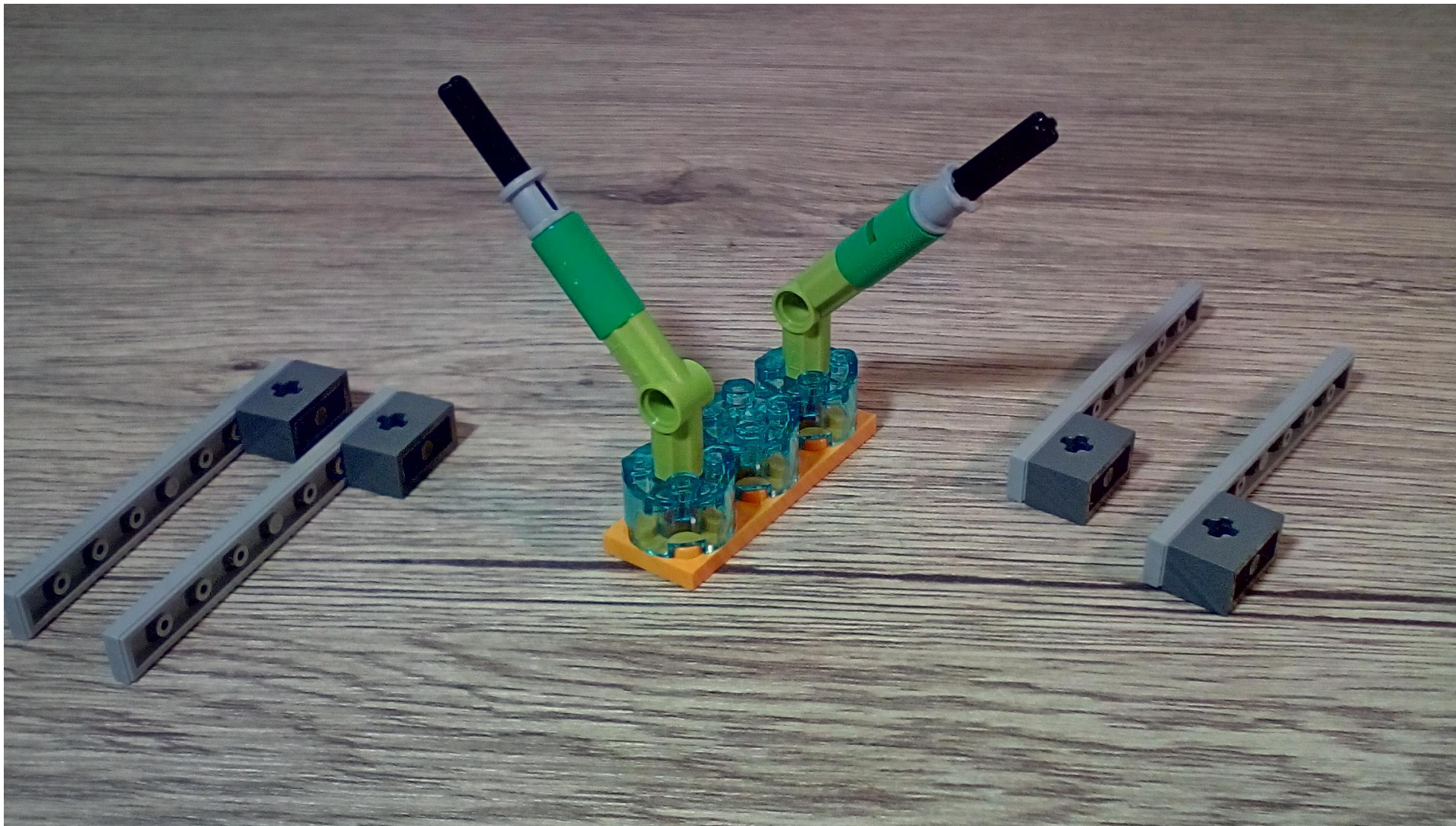
23



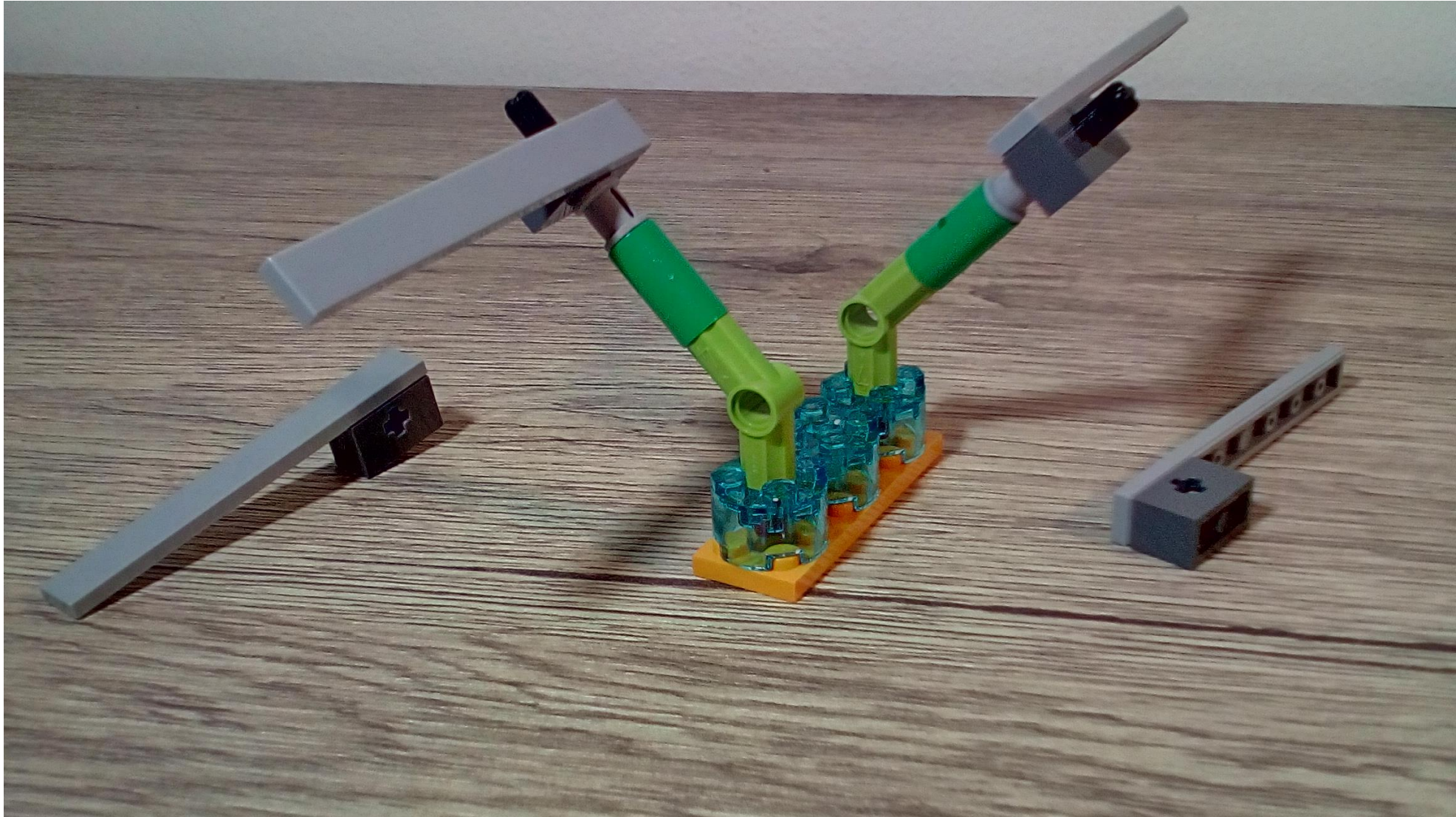
24



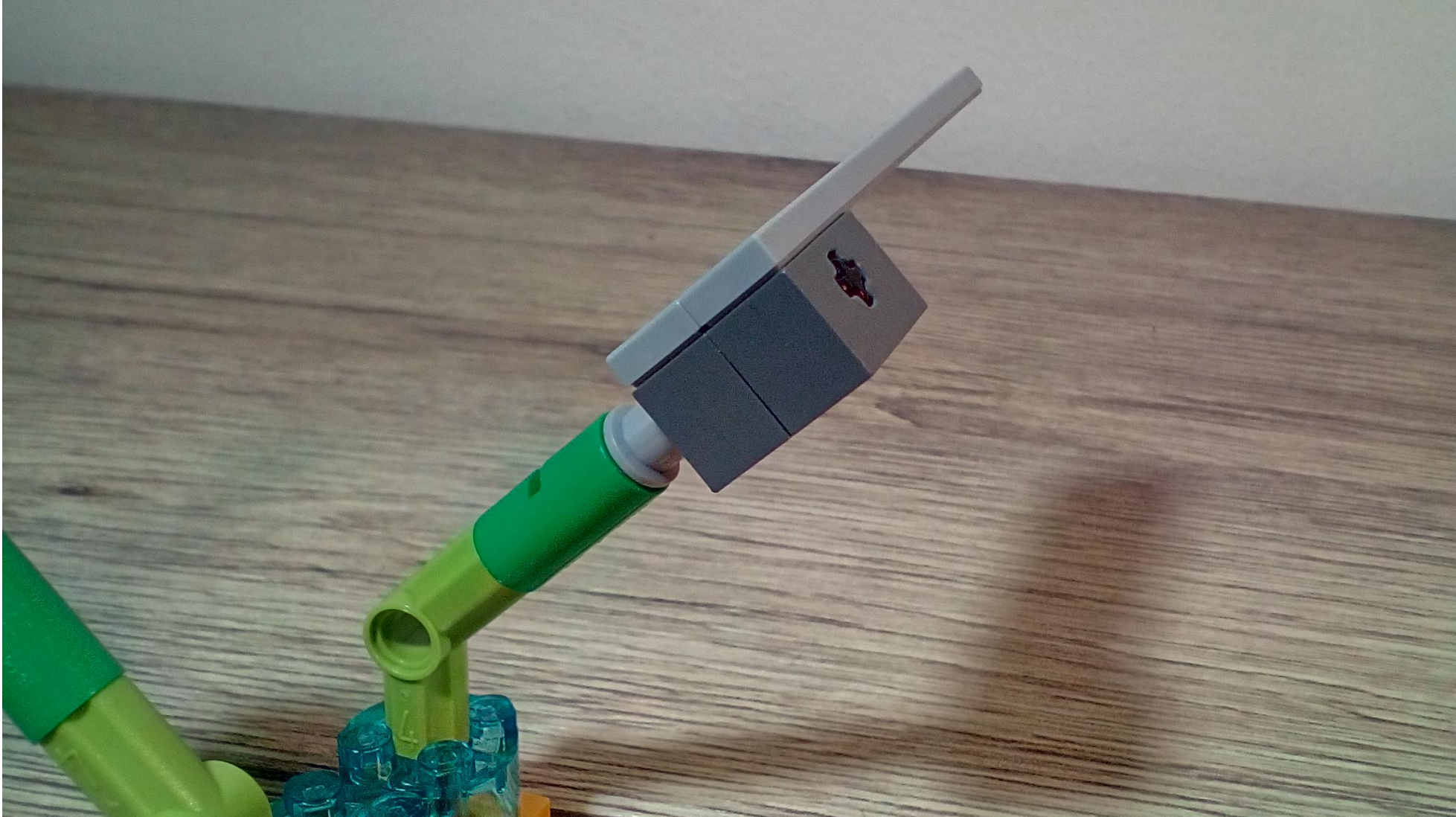
25



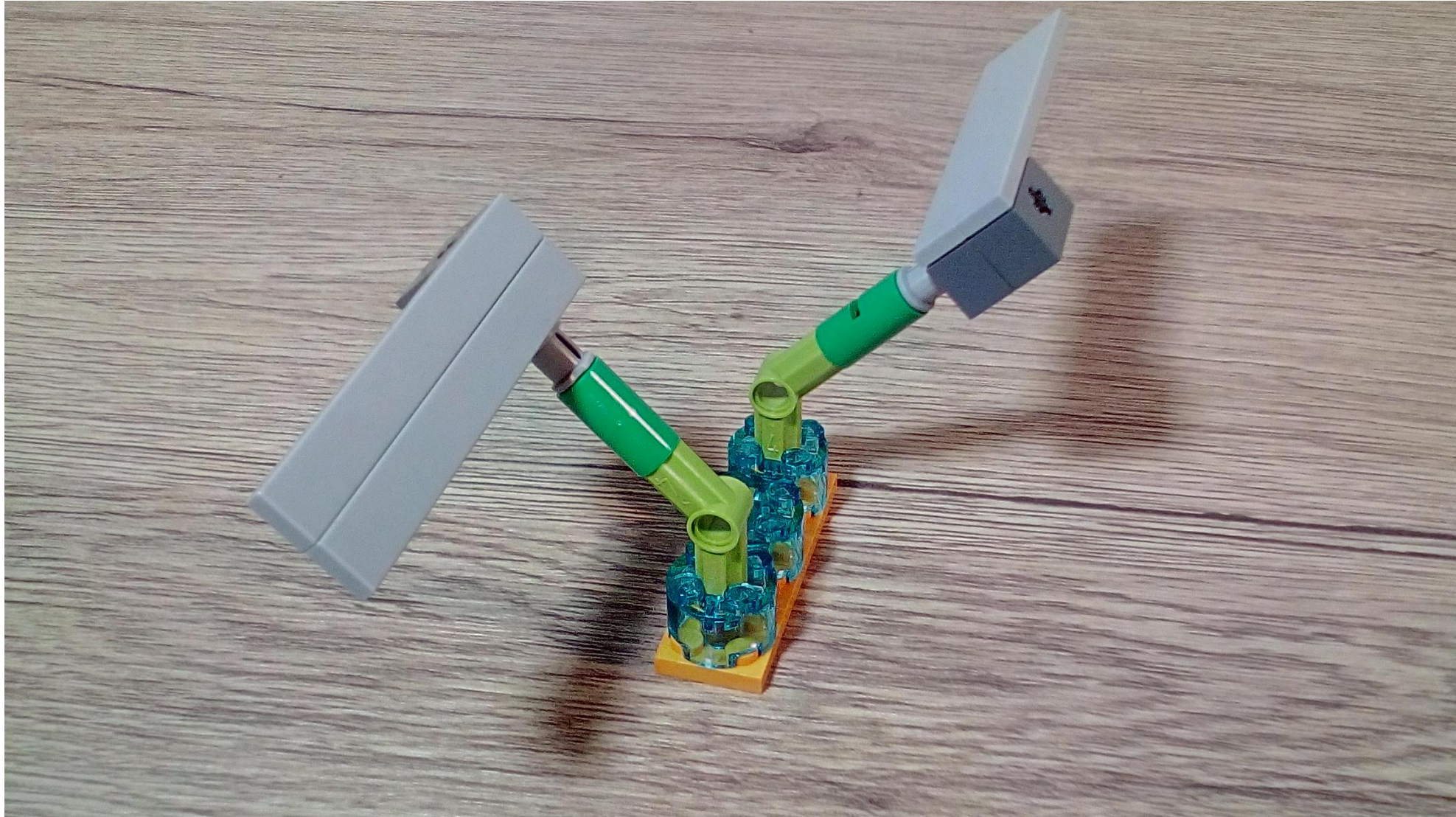
26



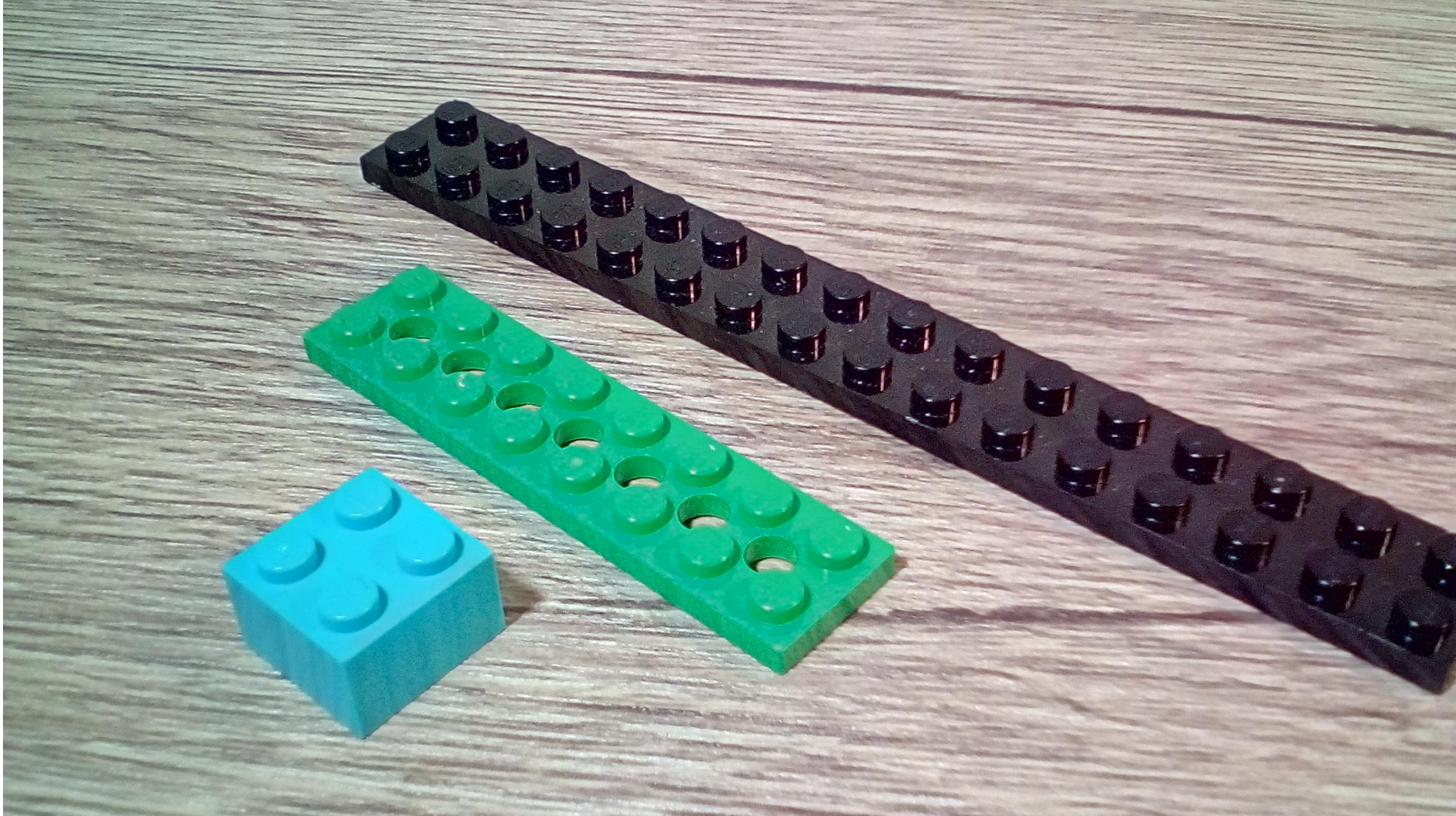
27



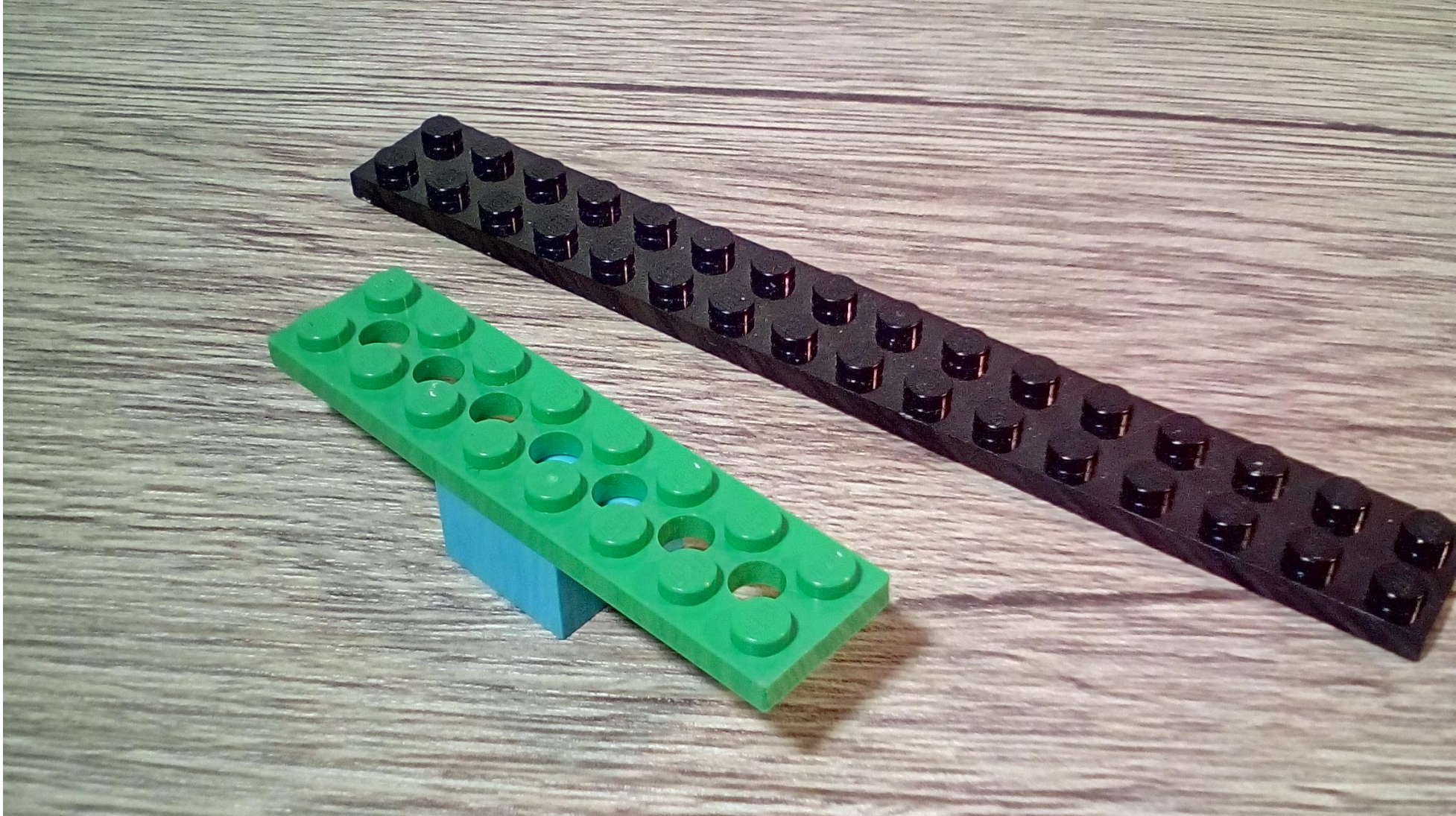
28



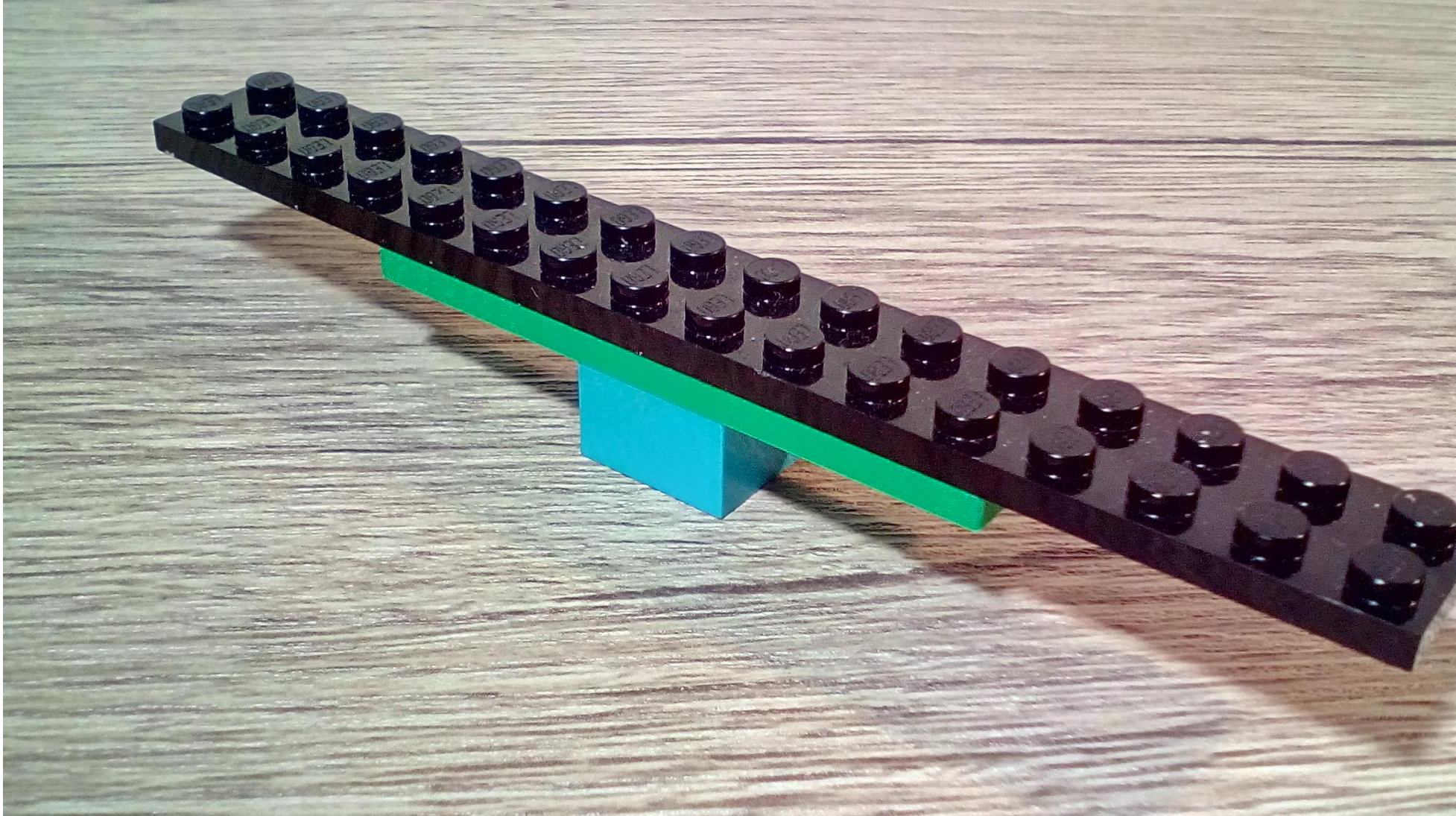
29



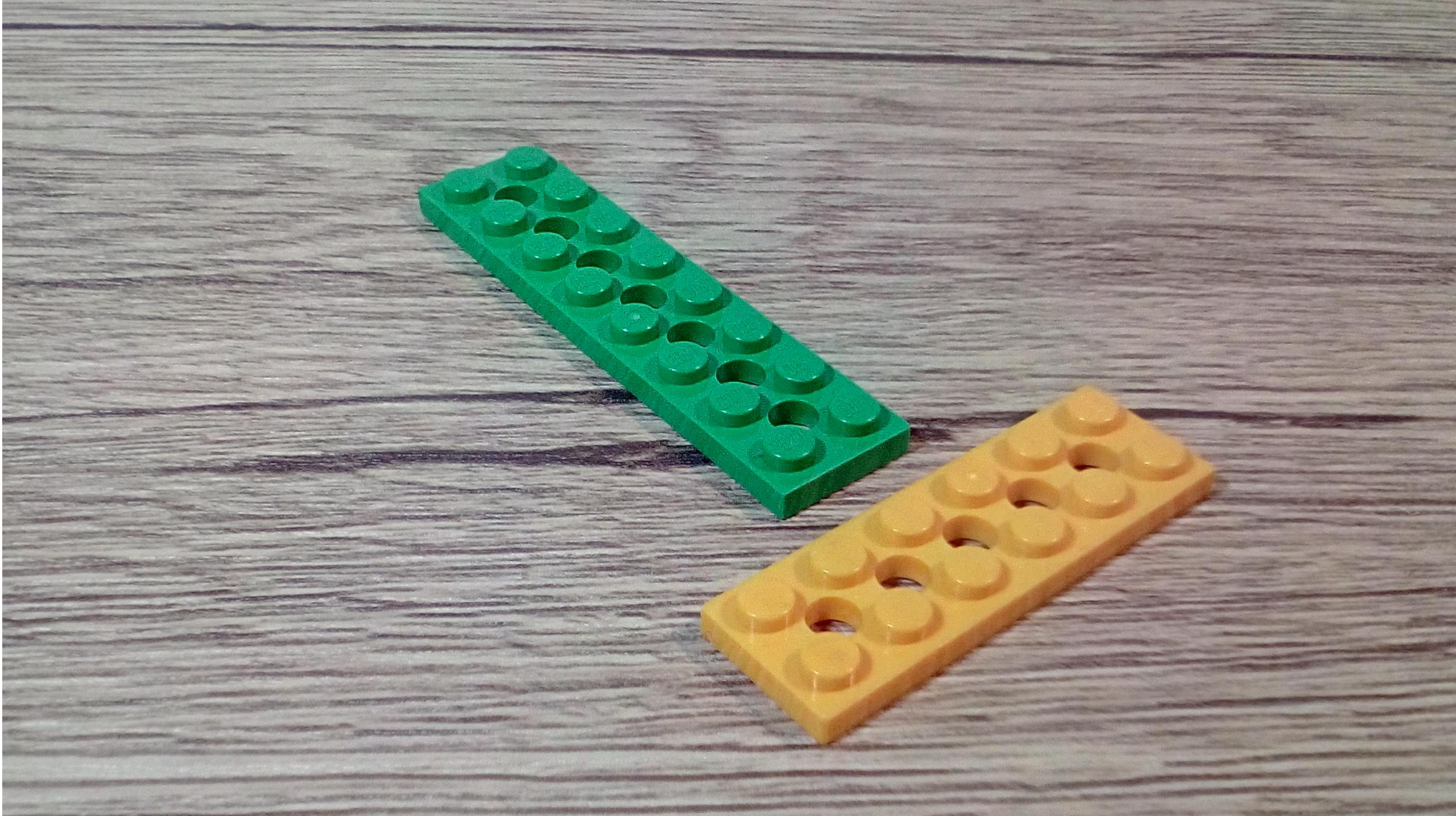
30



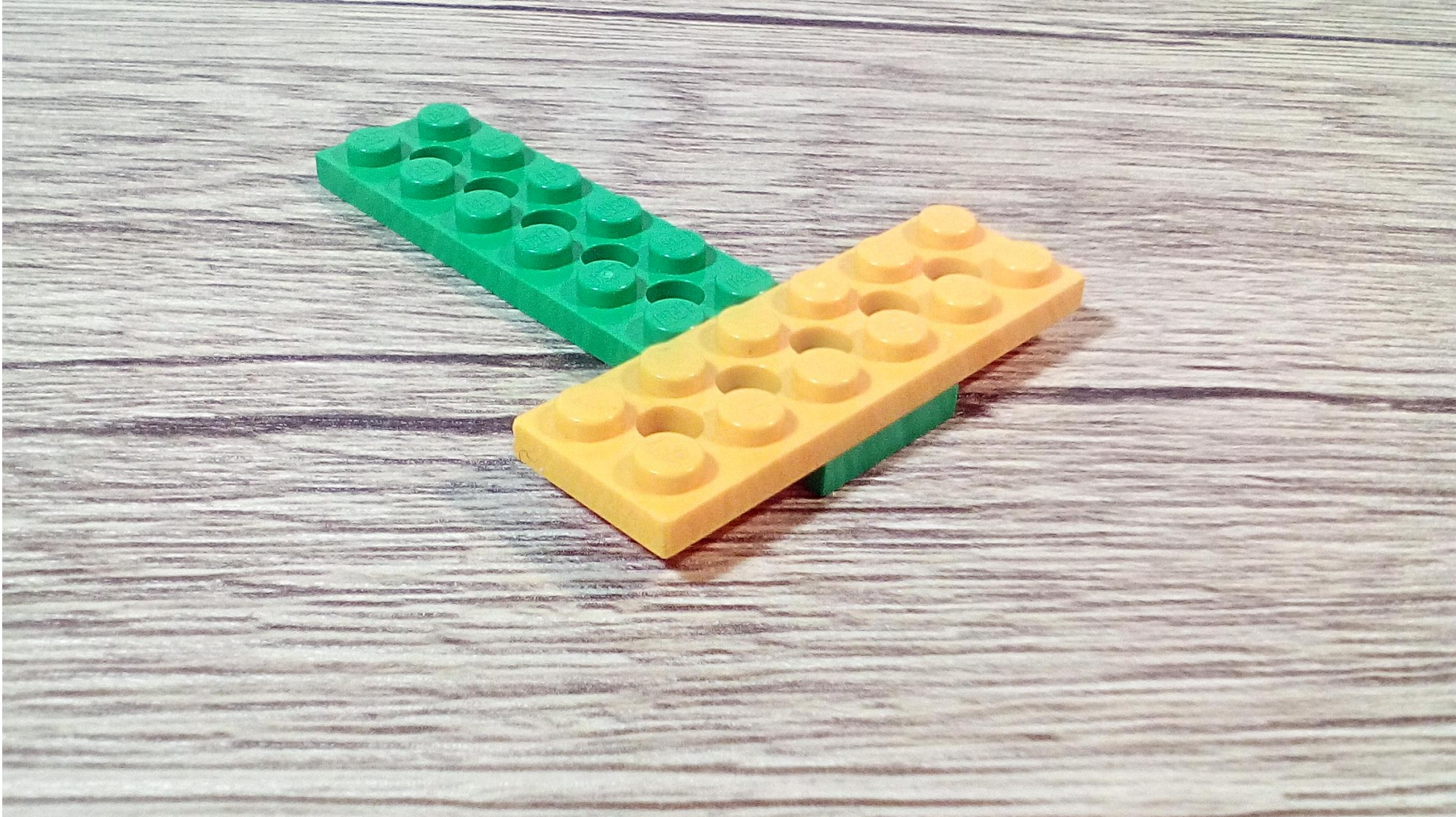
31



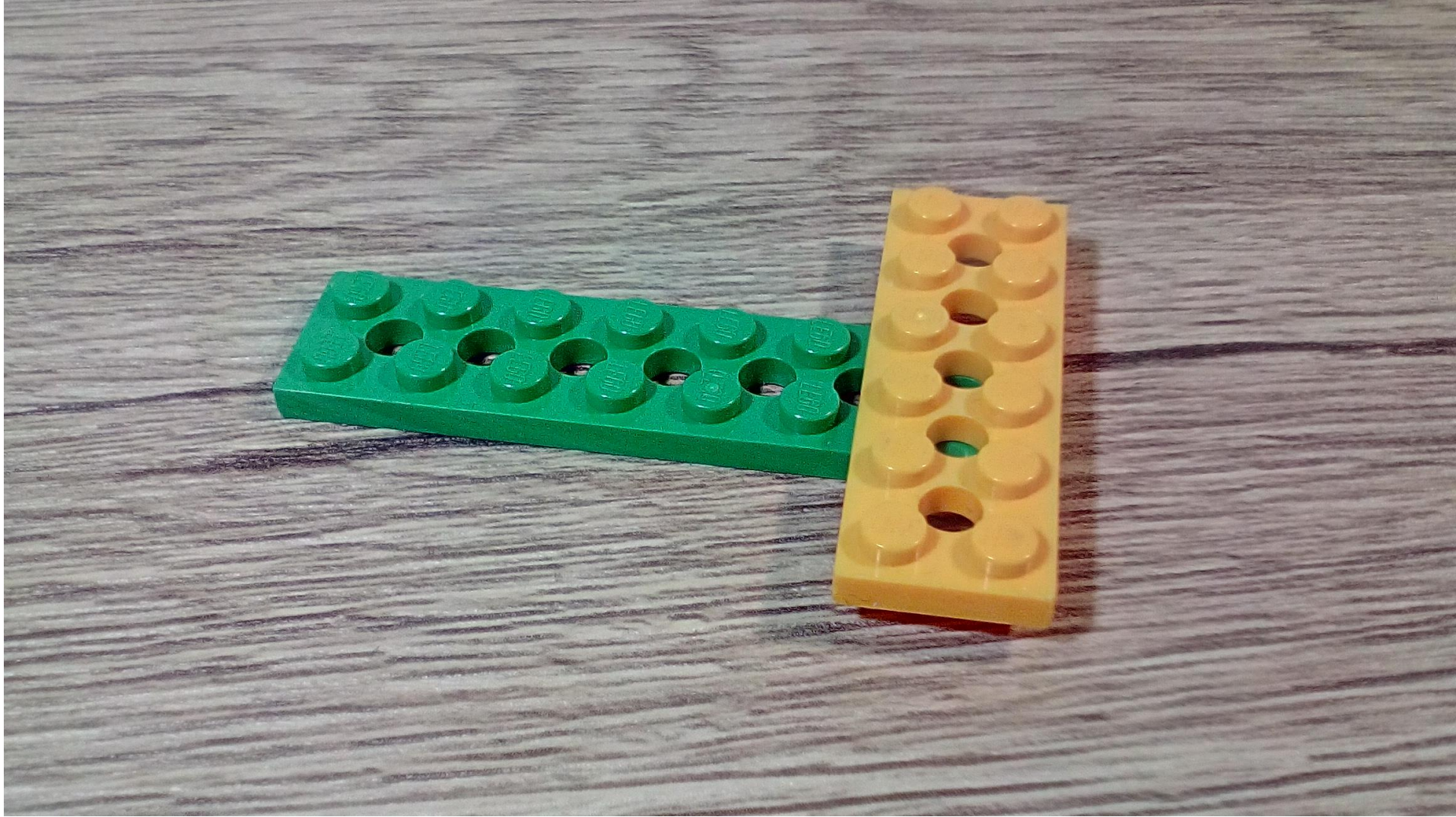
32



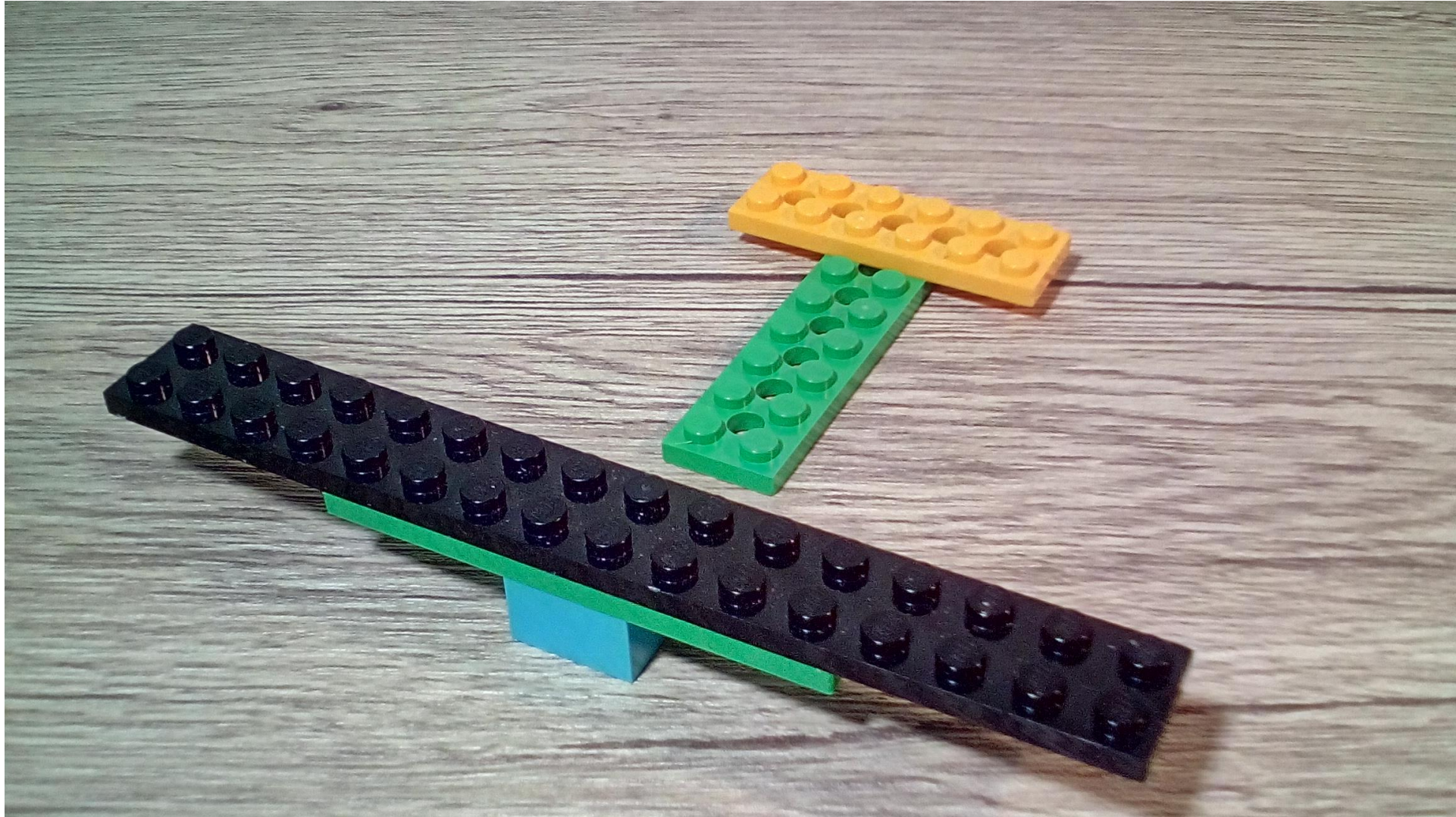
33



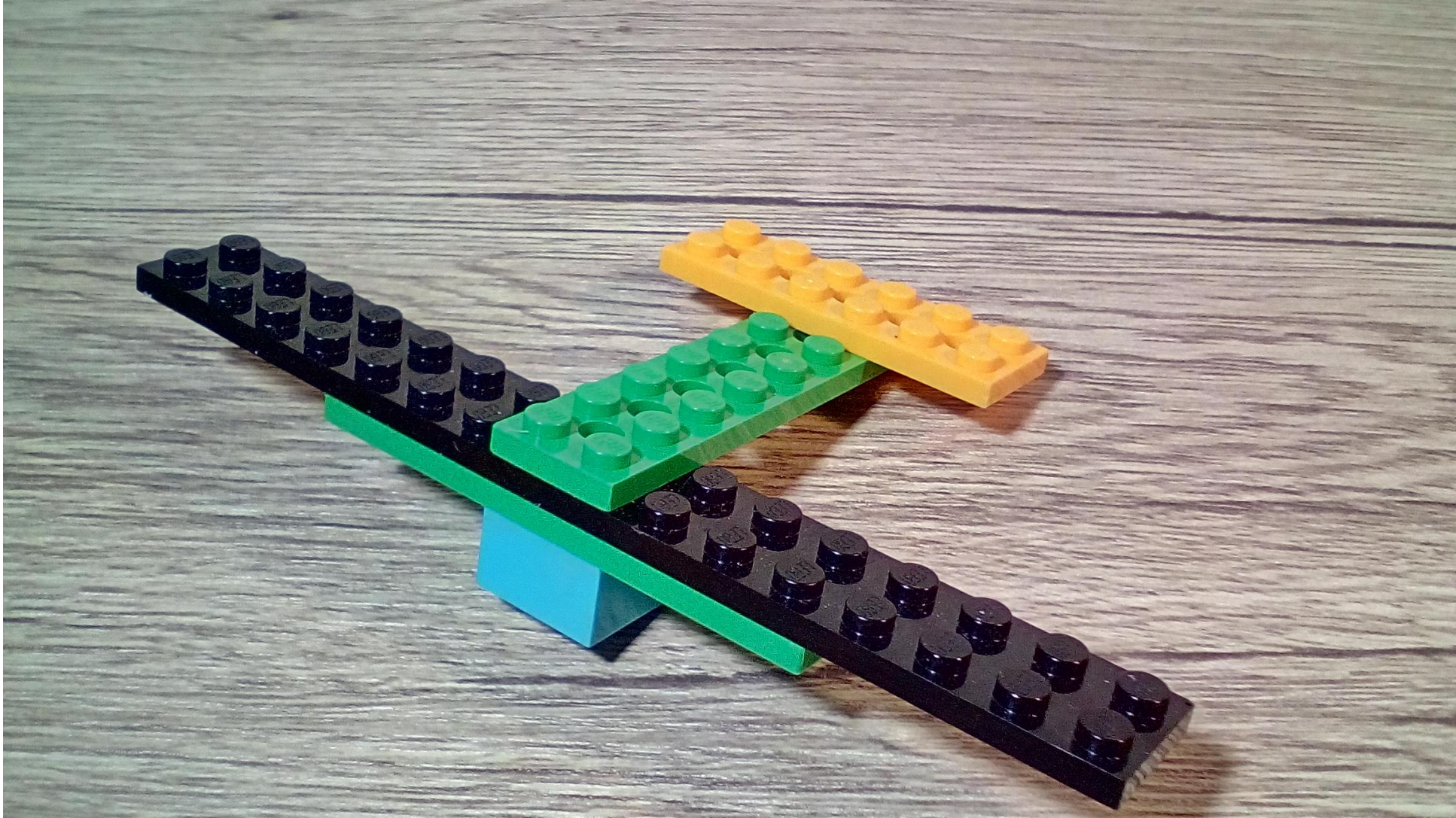
34



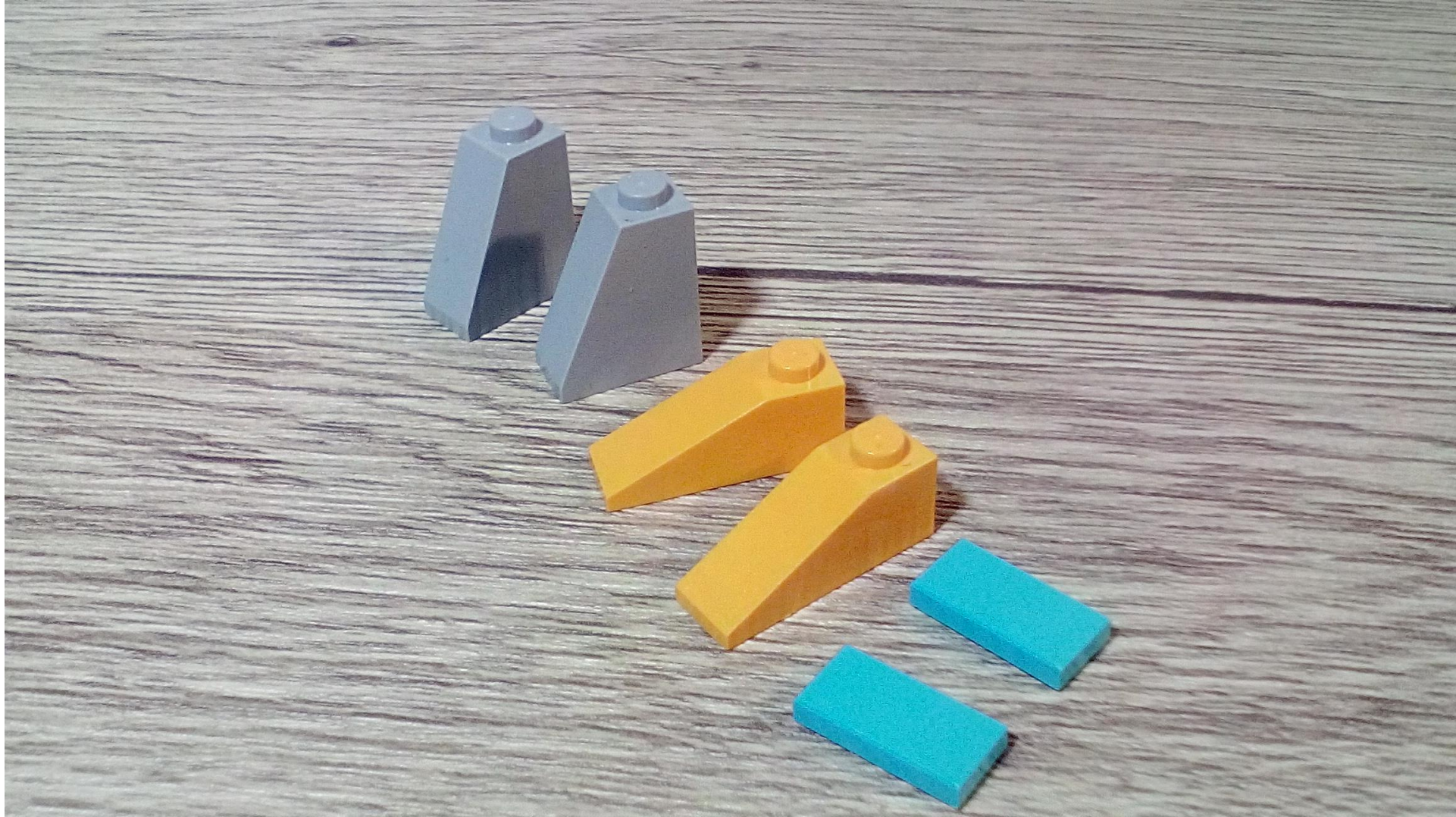
35



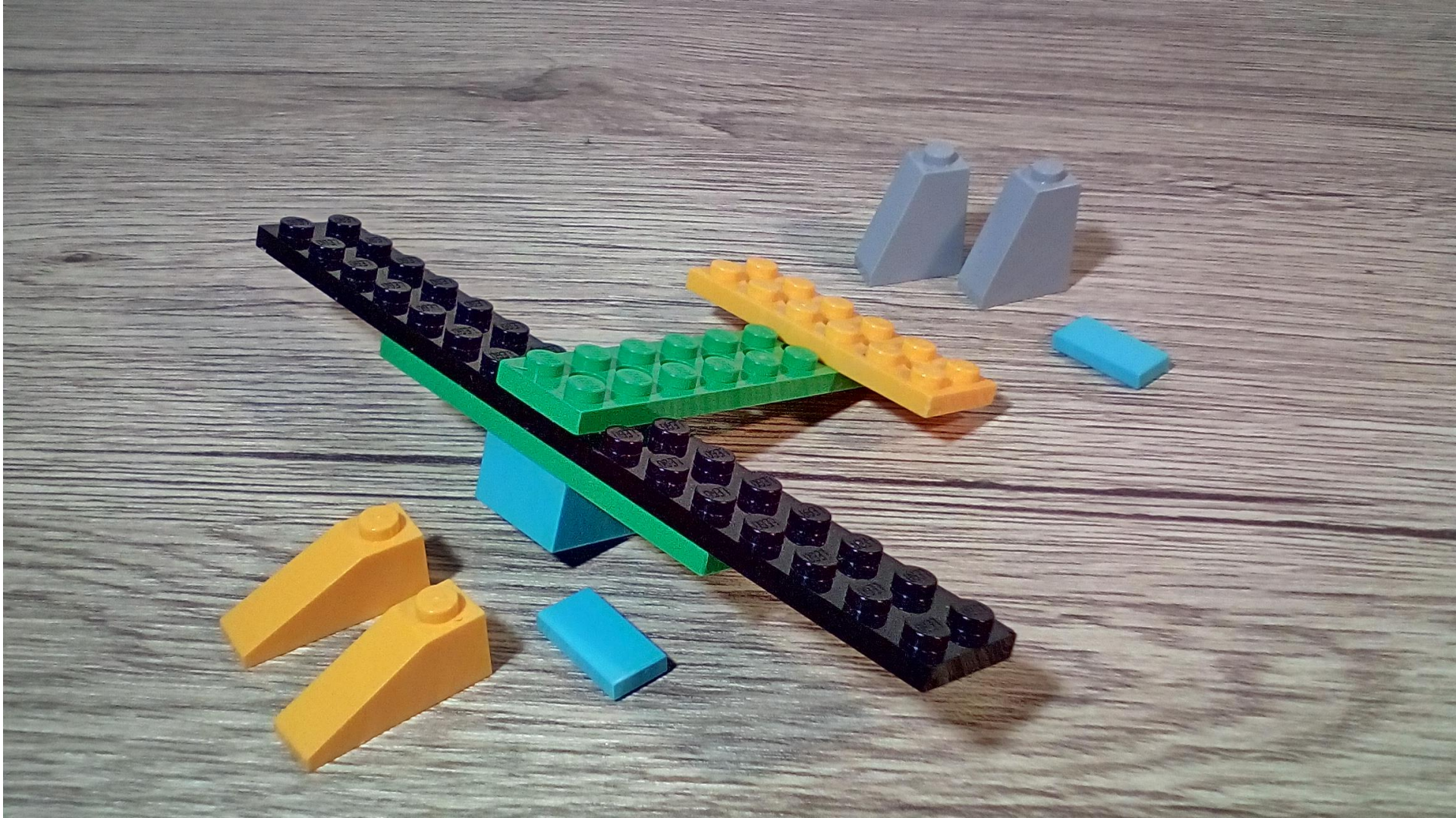
36



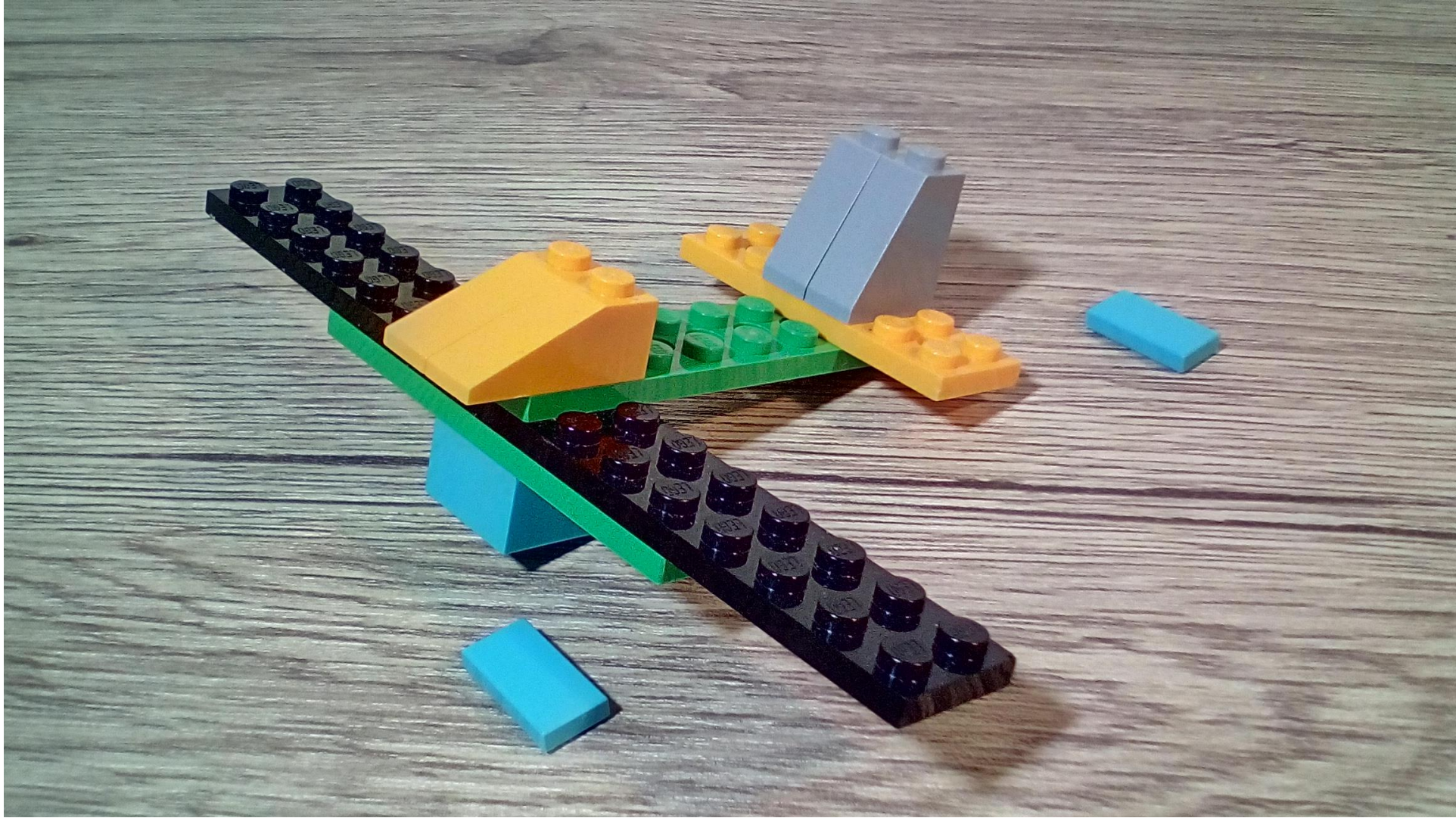
37



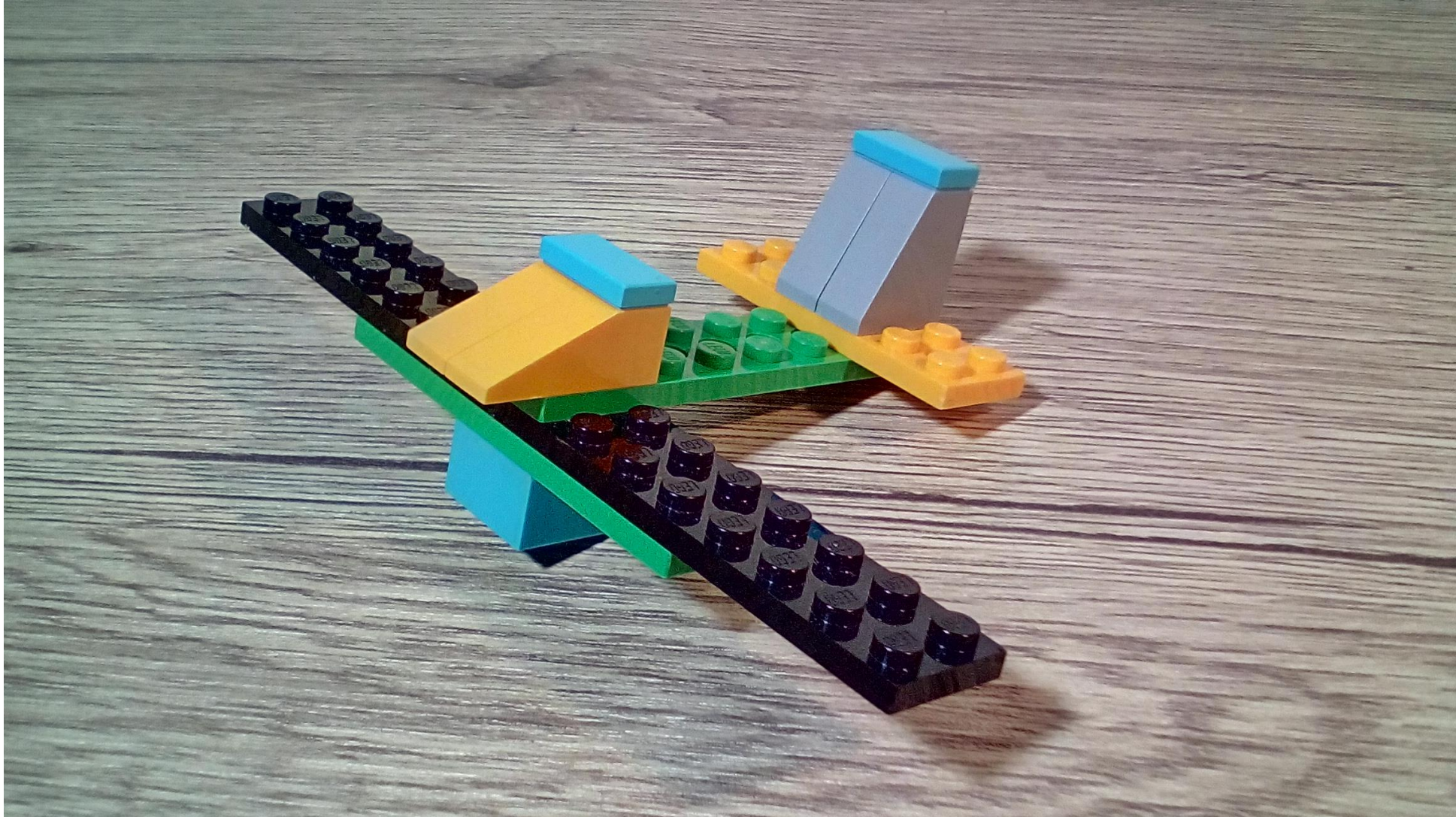
38



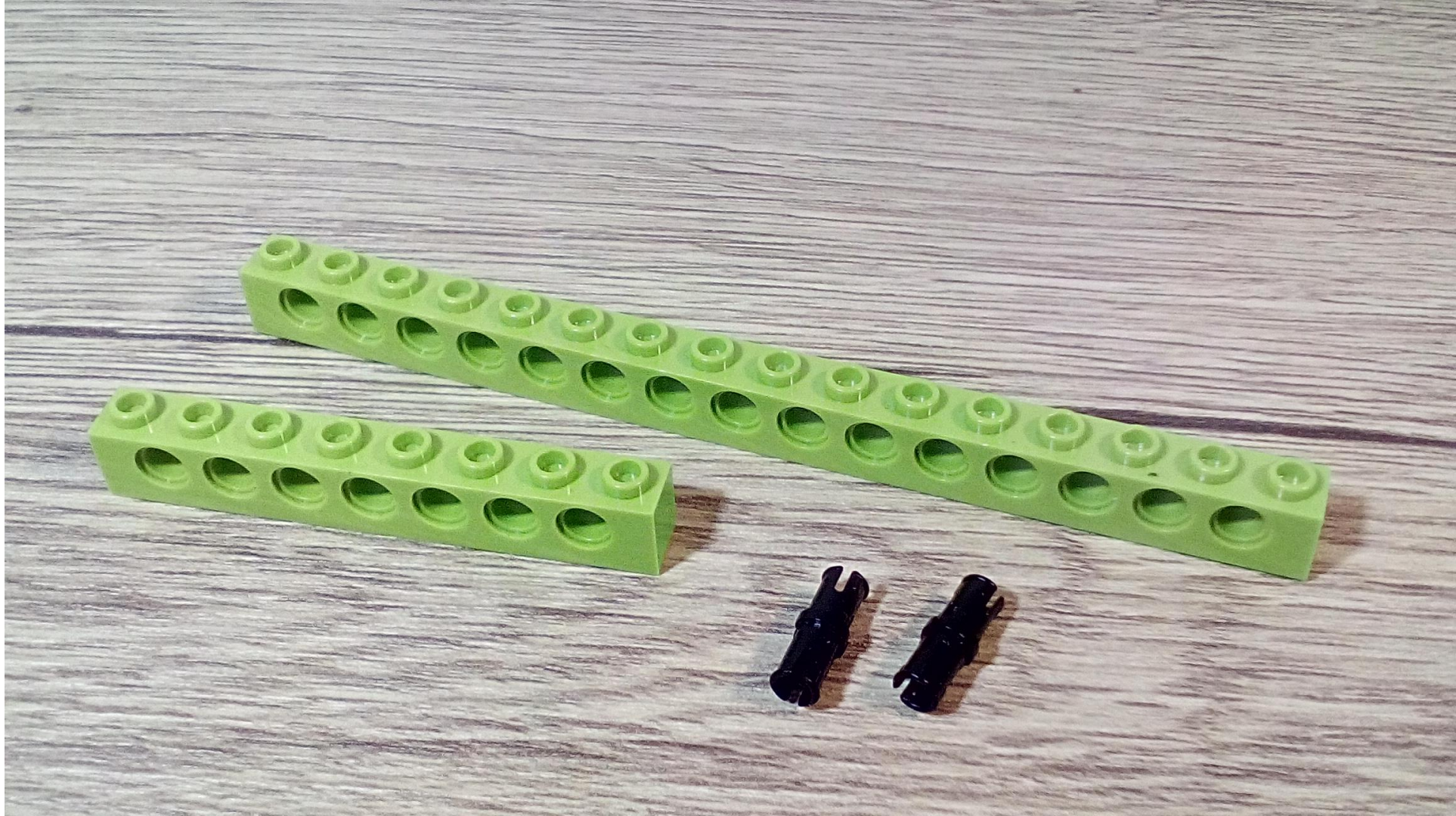
39



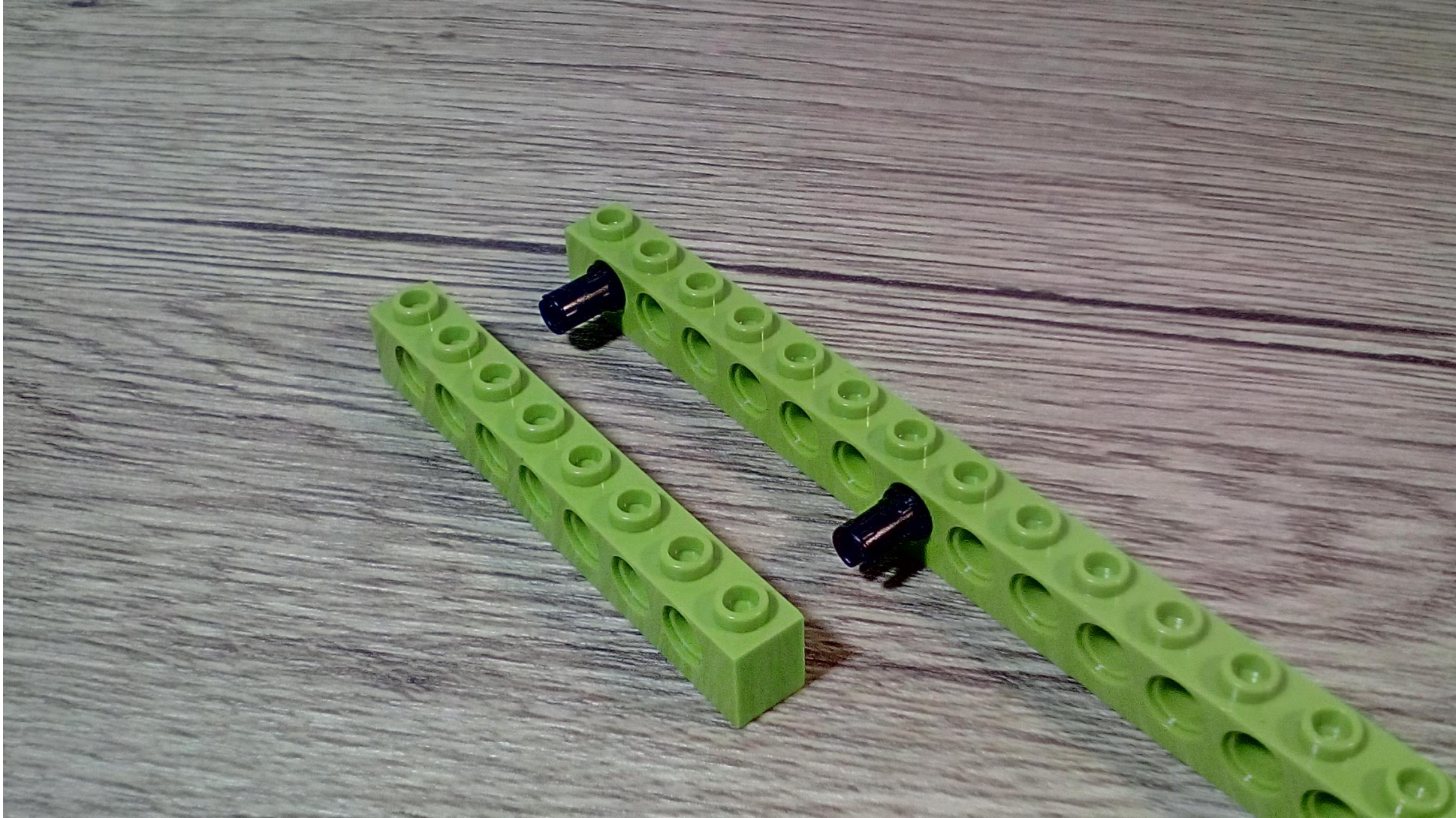
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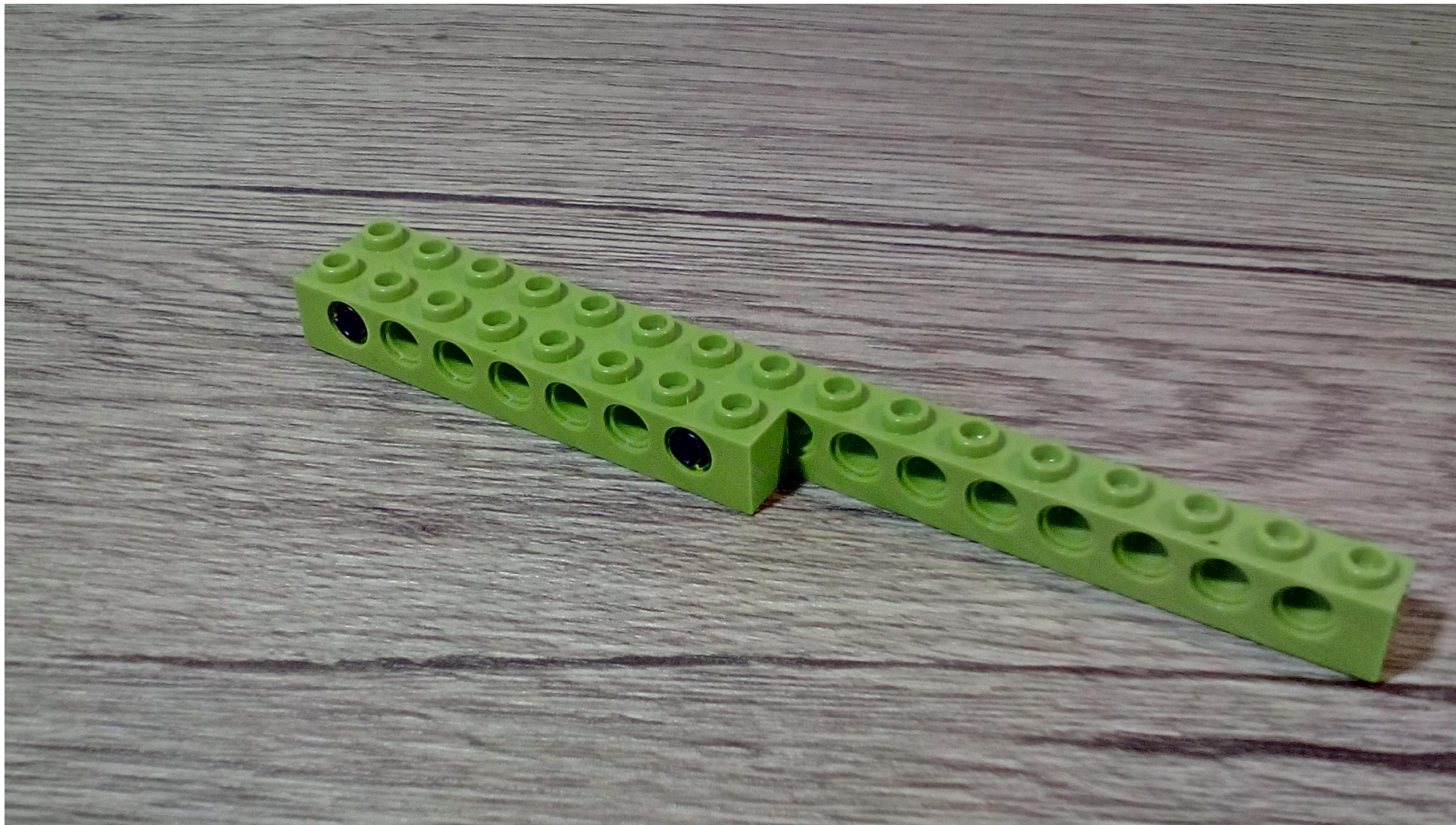
41



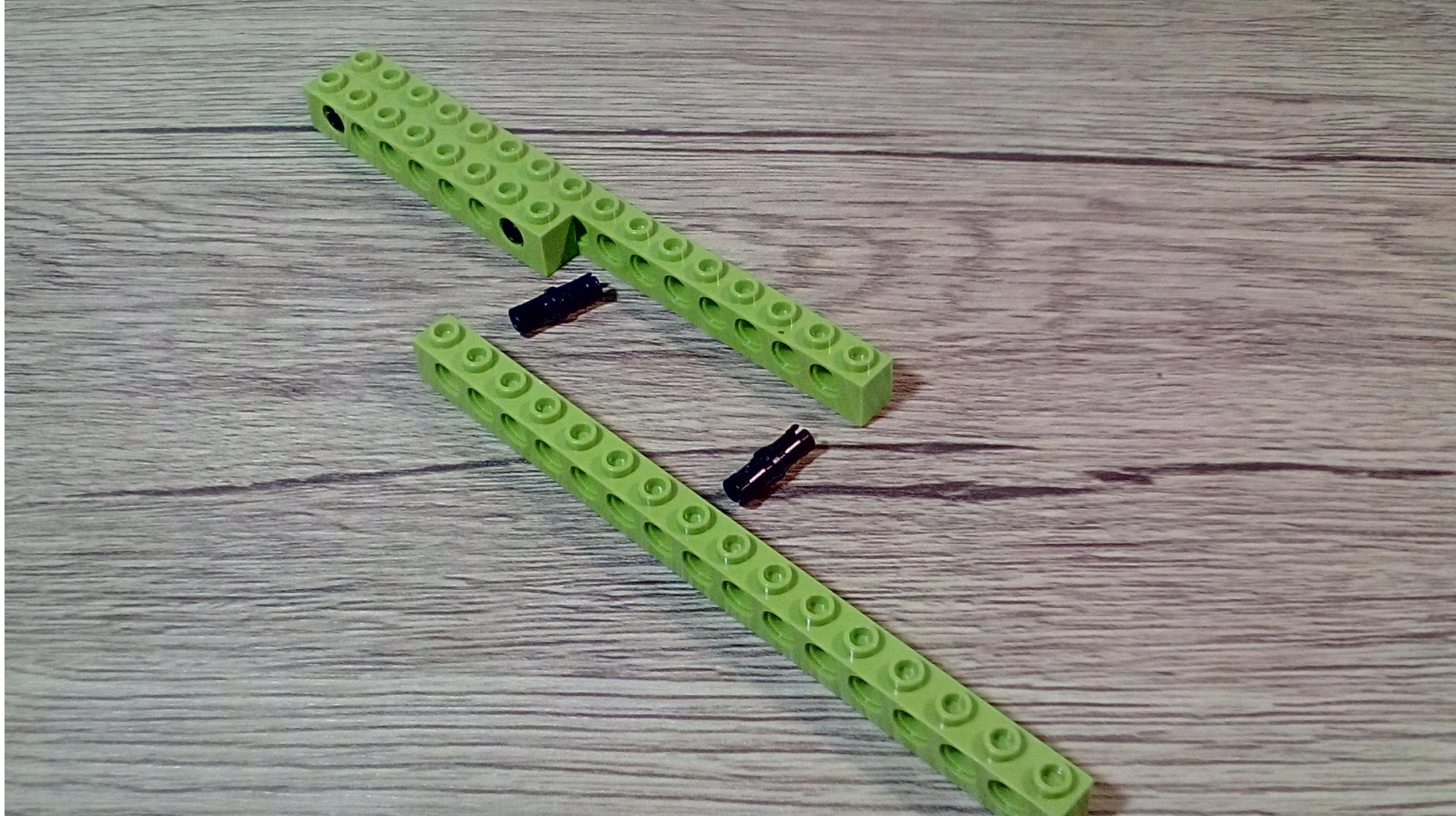
42



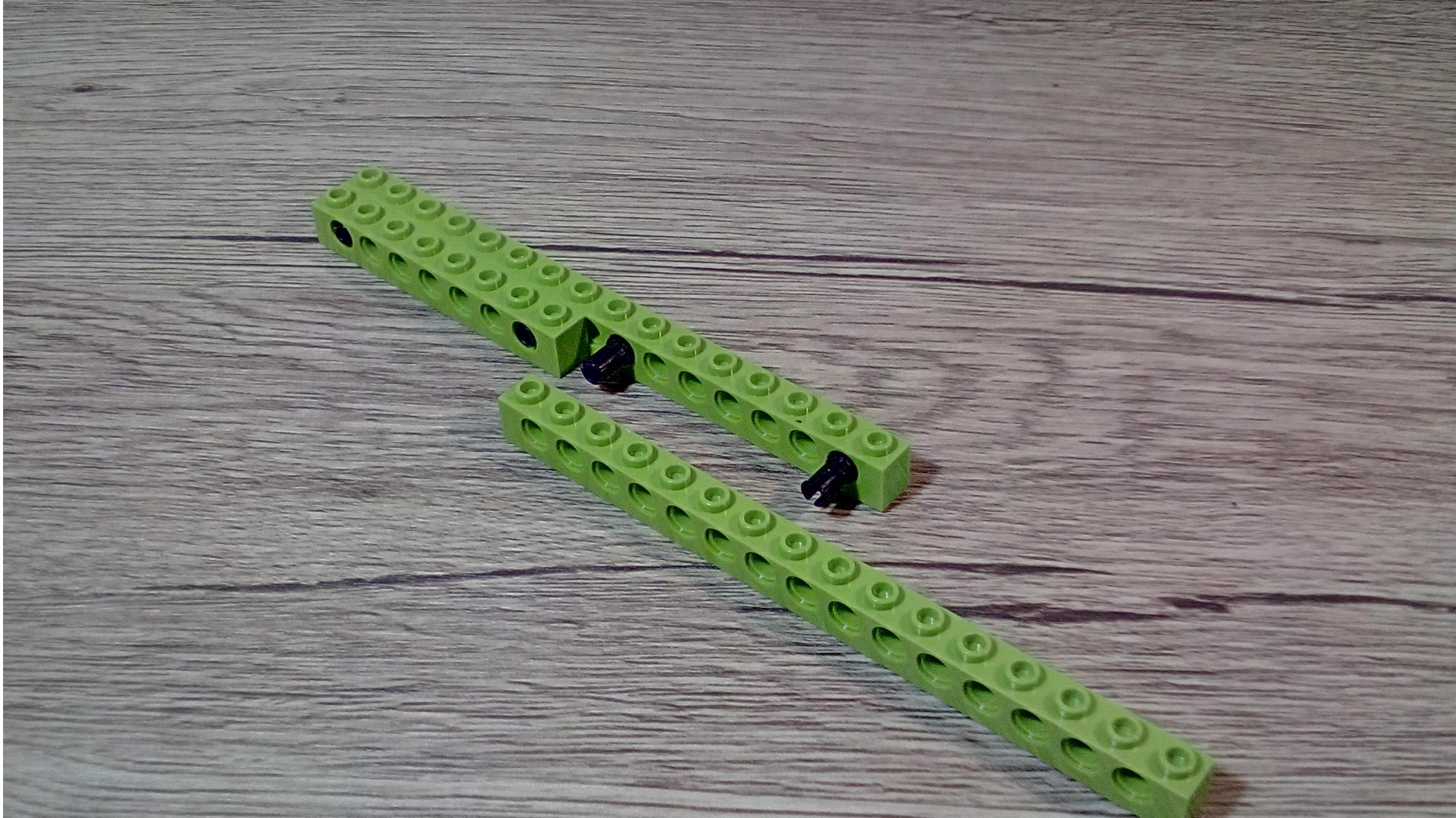
43



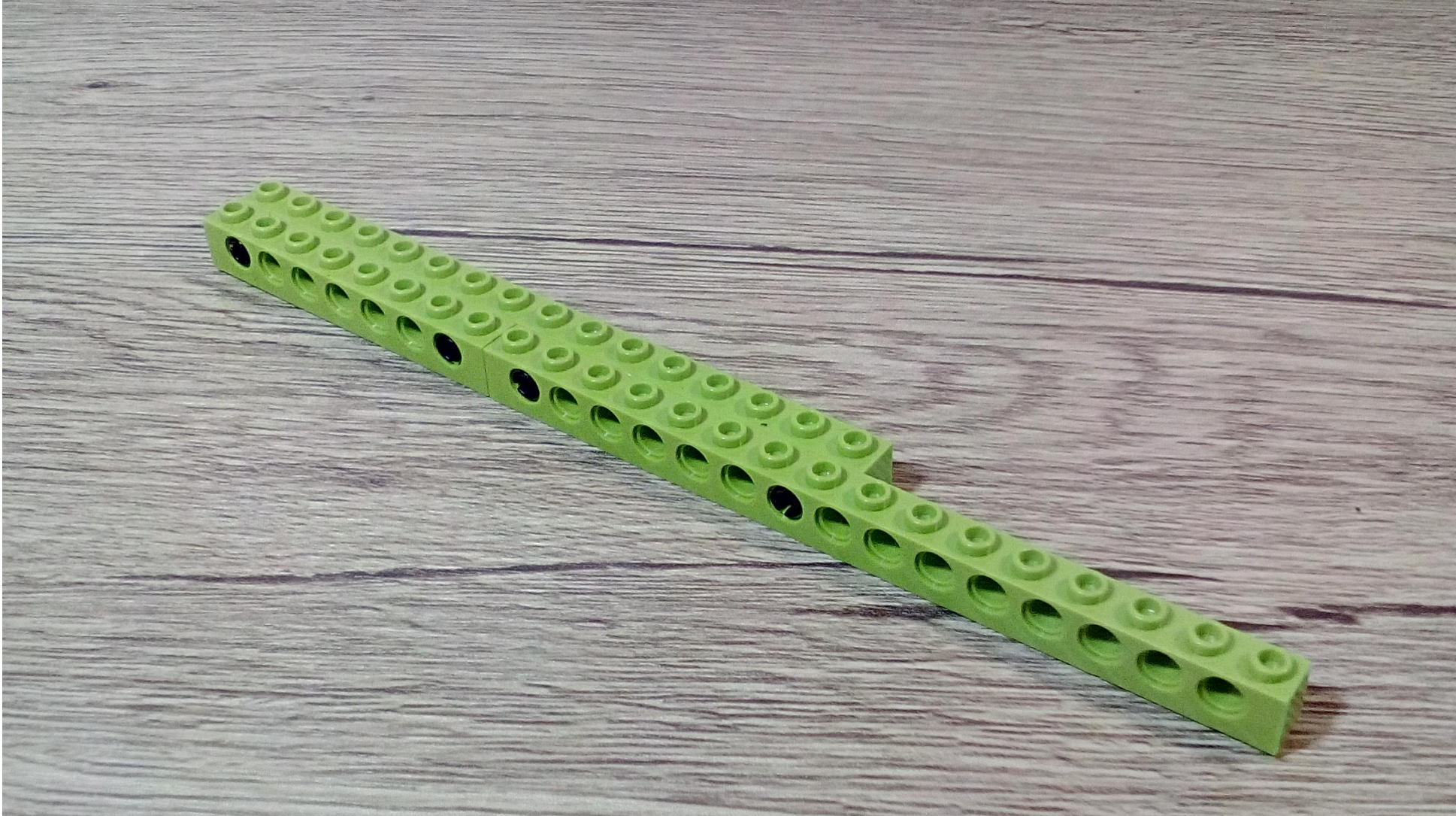
44



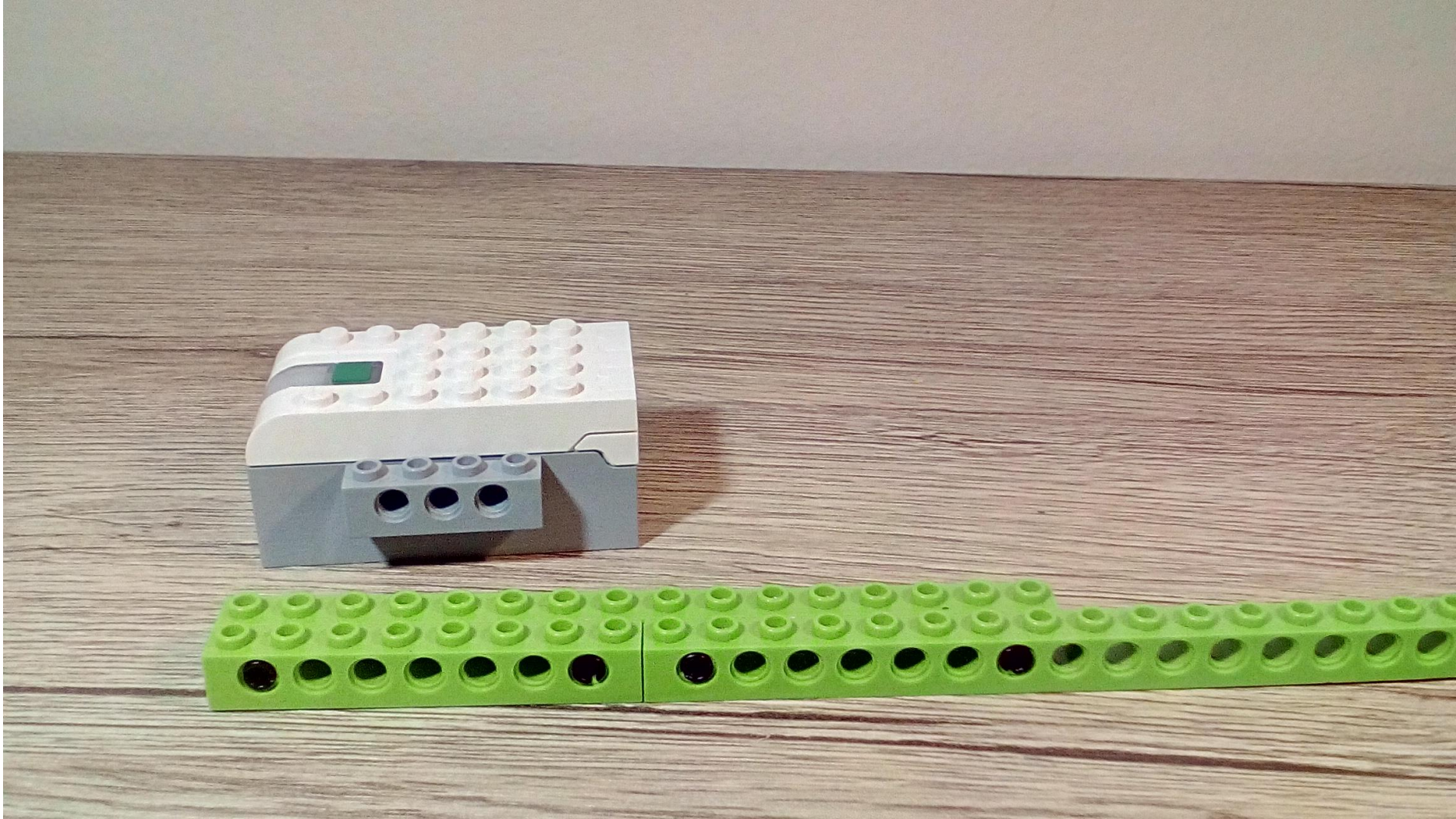
45



46



47



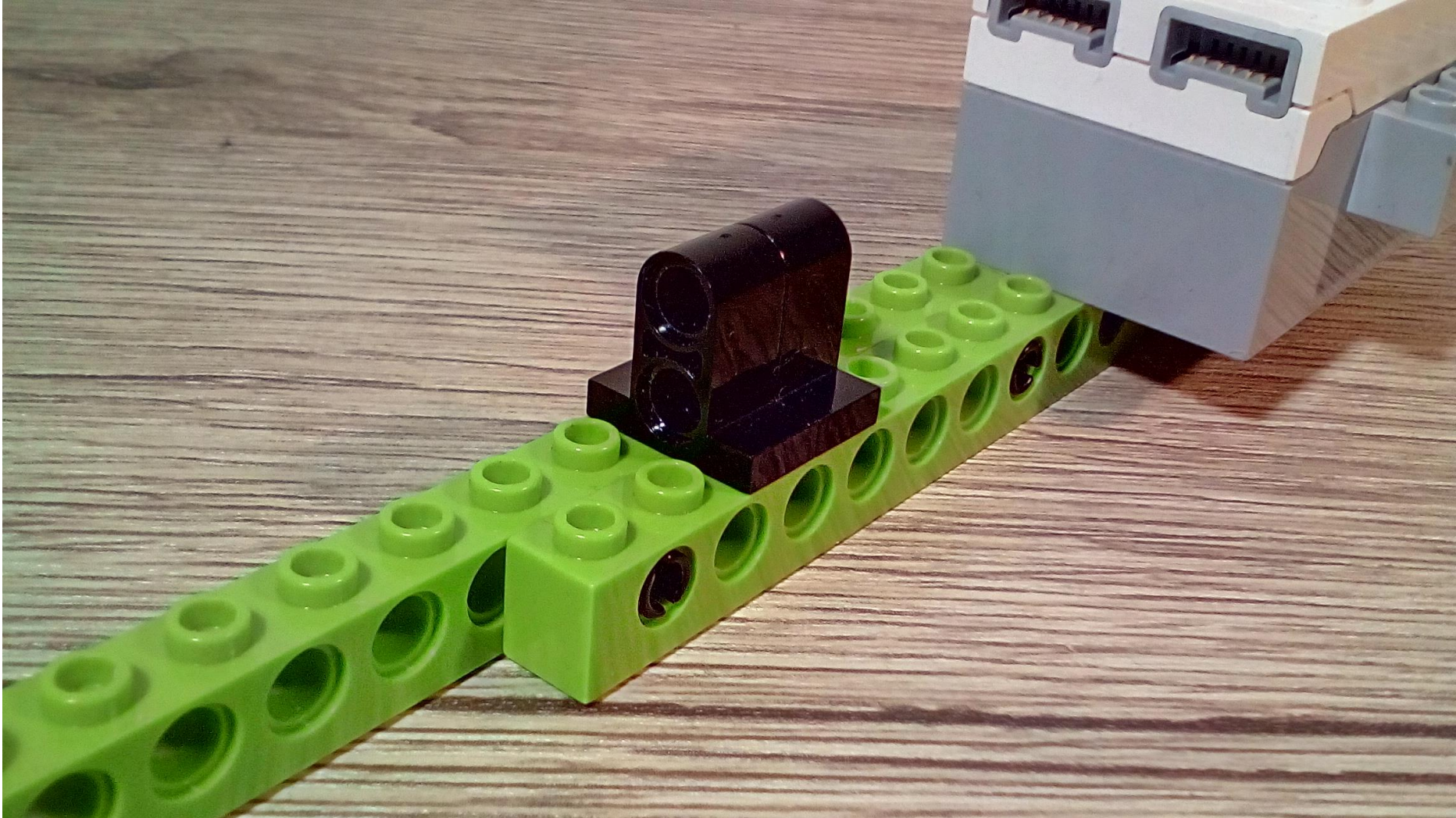
48



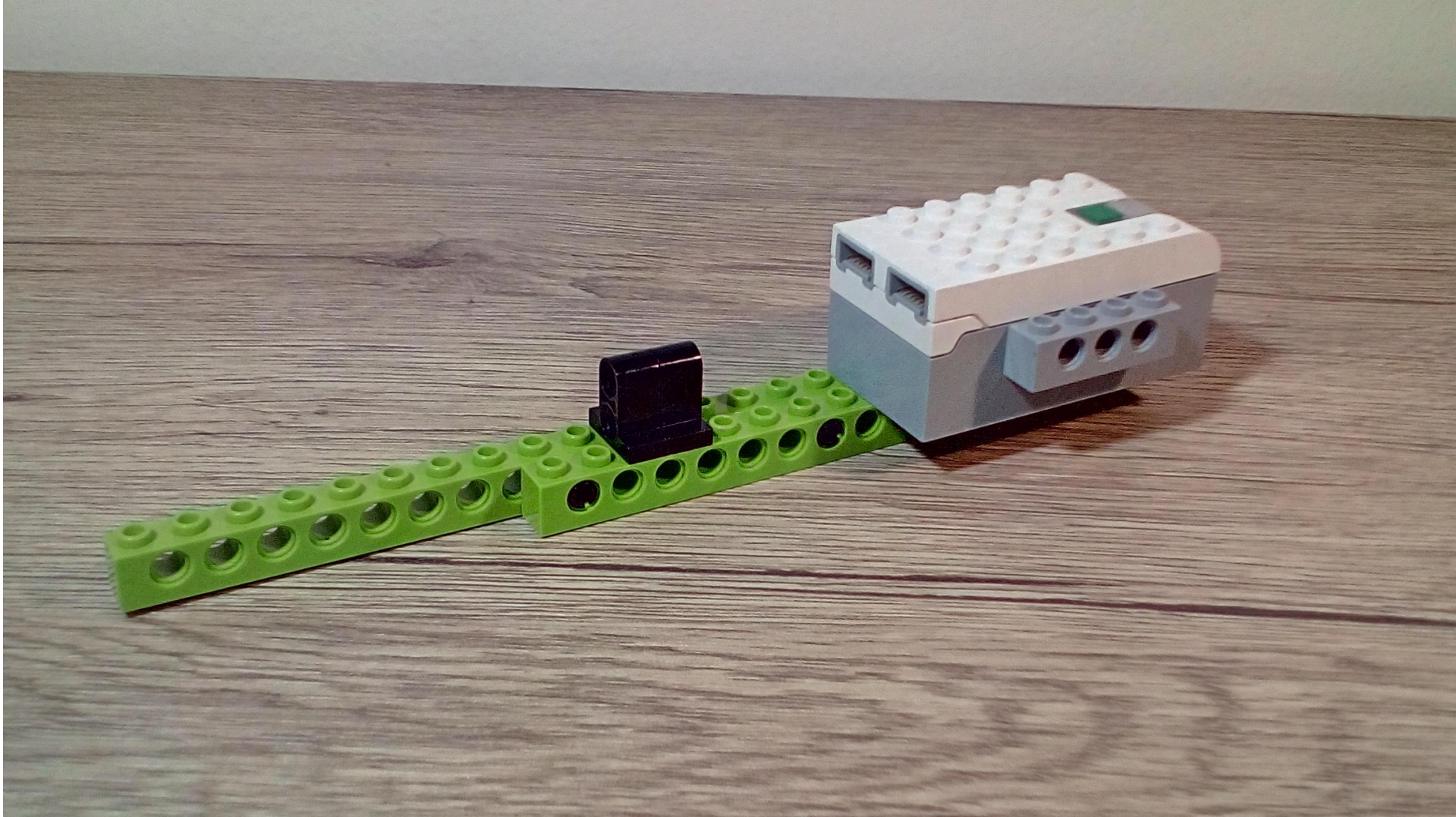
49



50



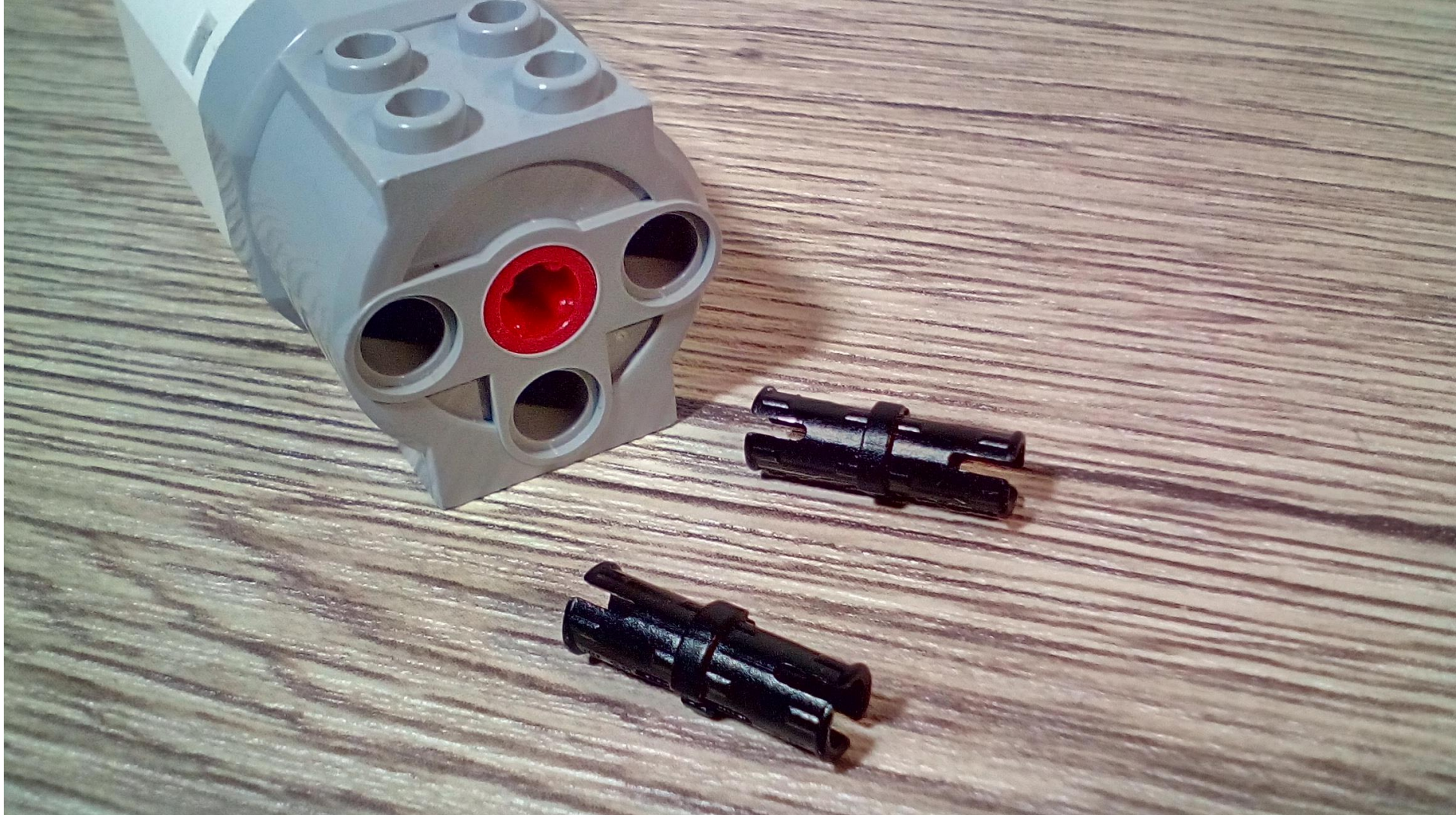
51



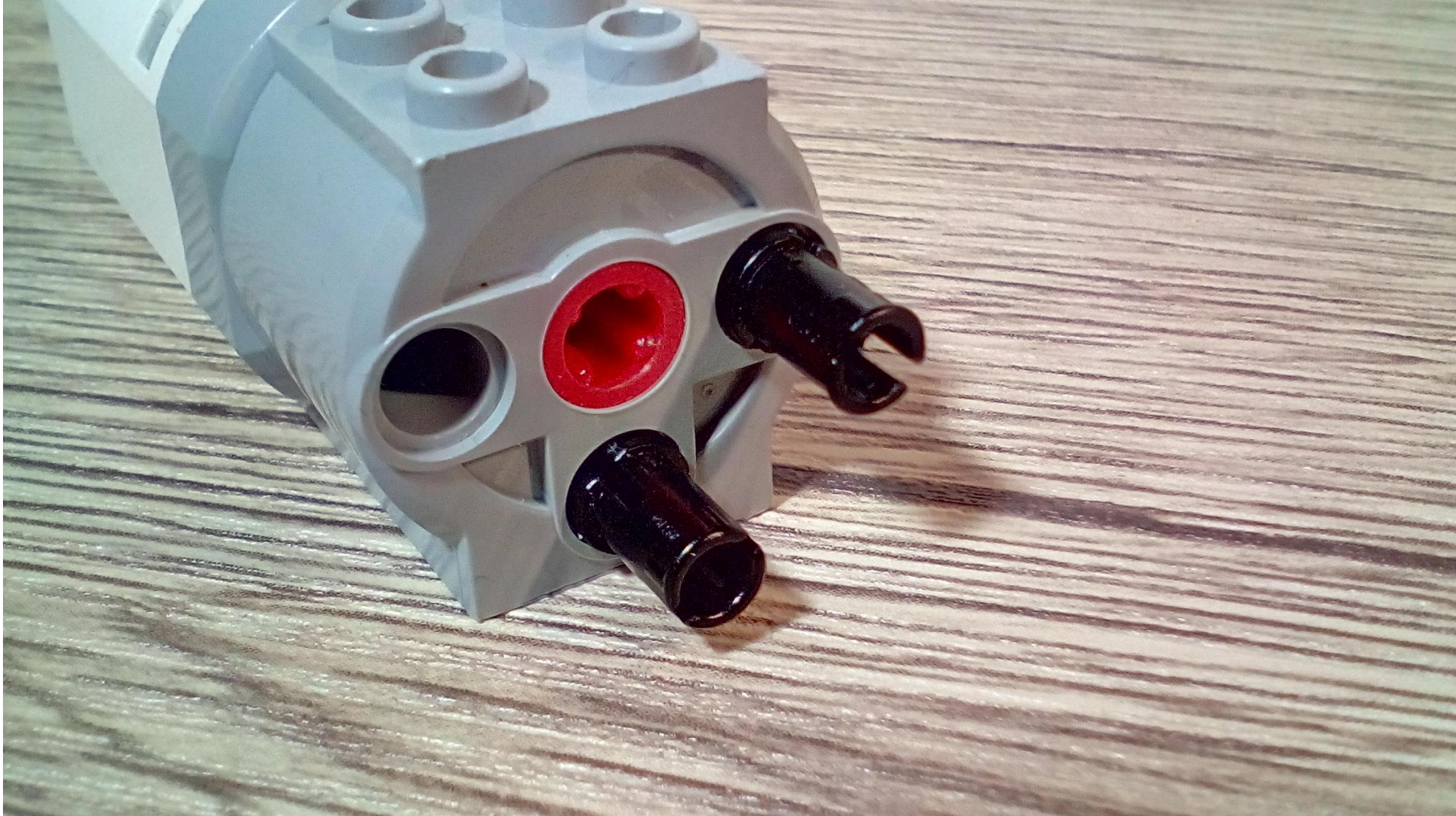
52



53



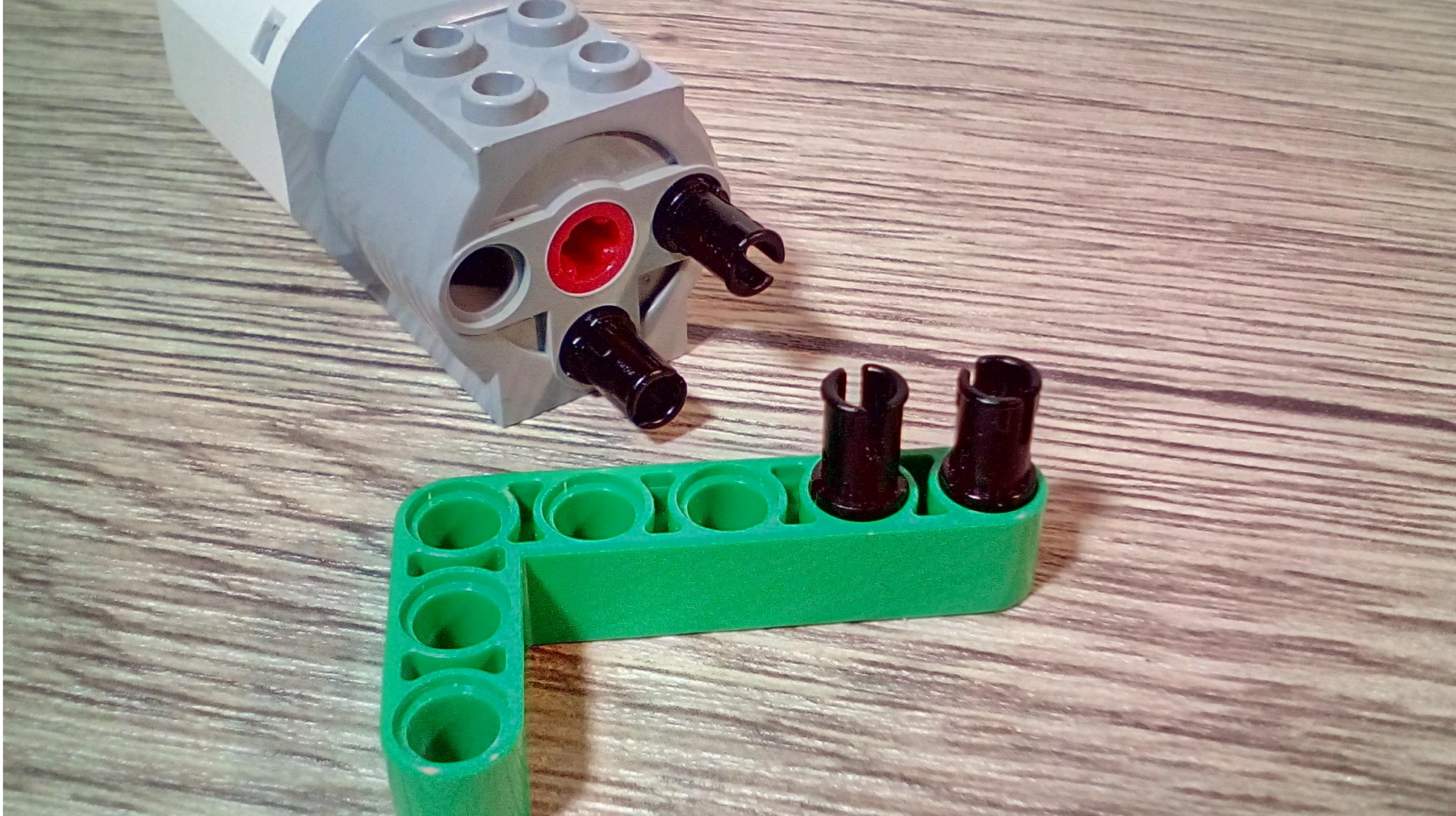
54



55



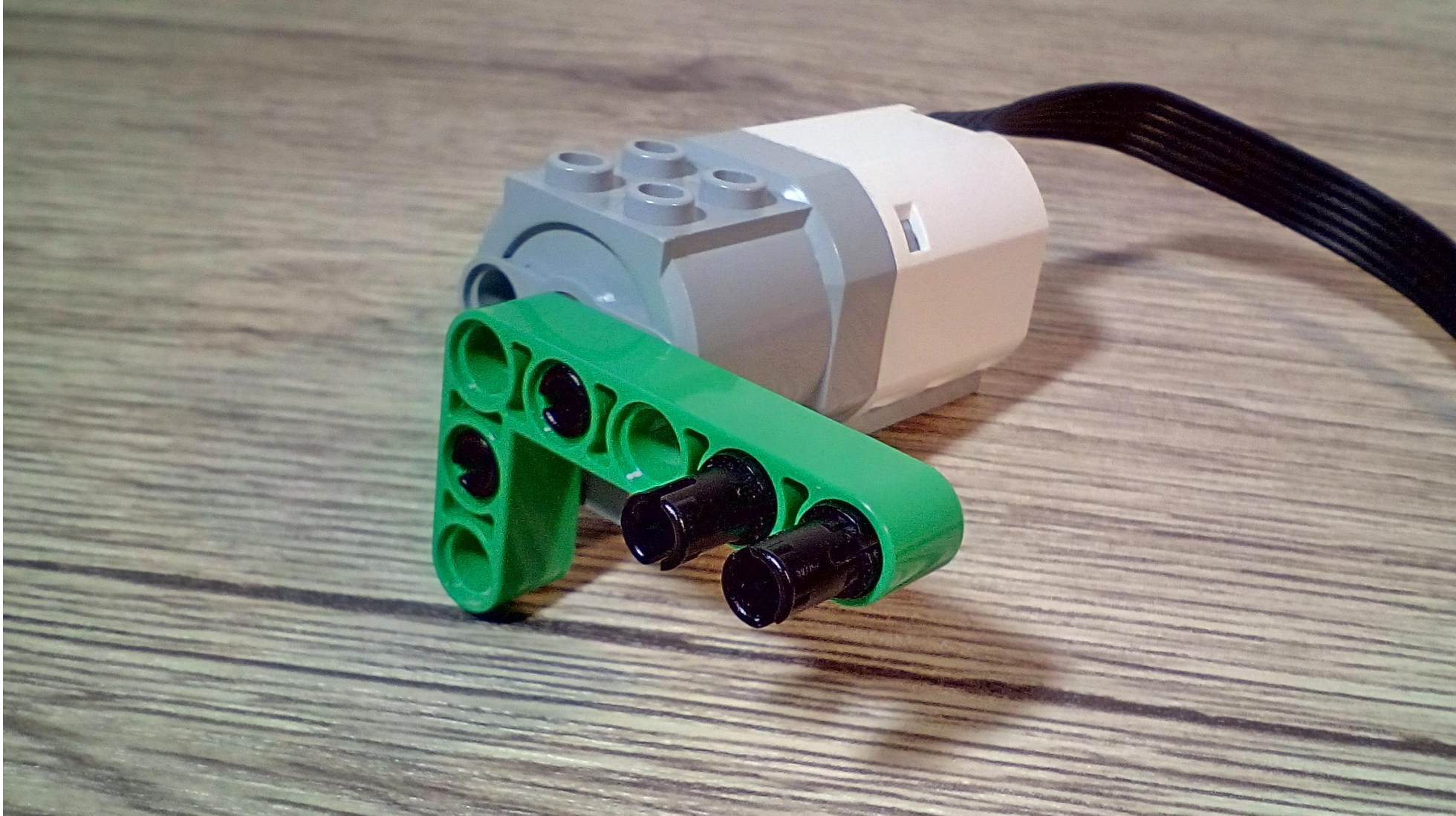
56



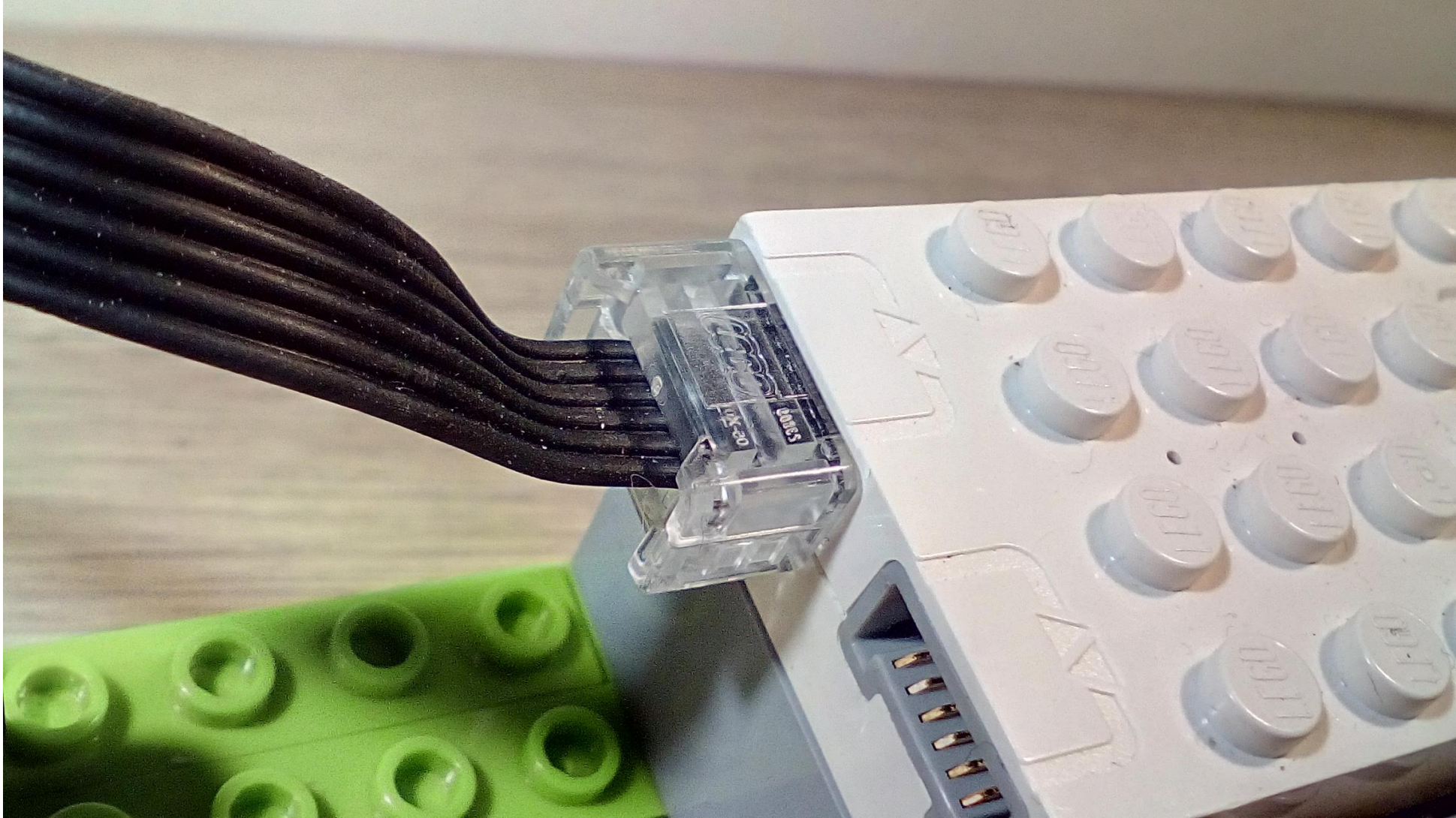
57



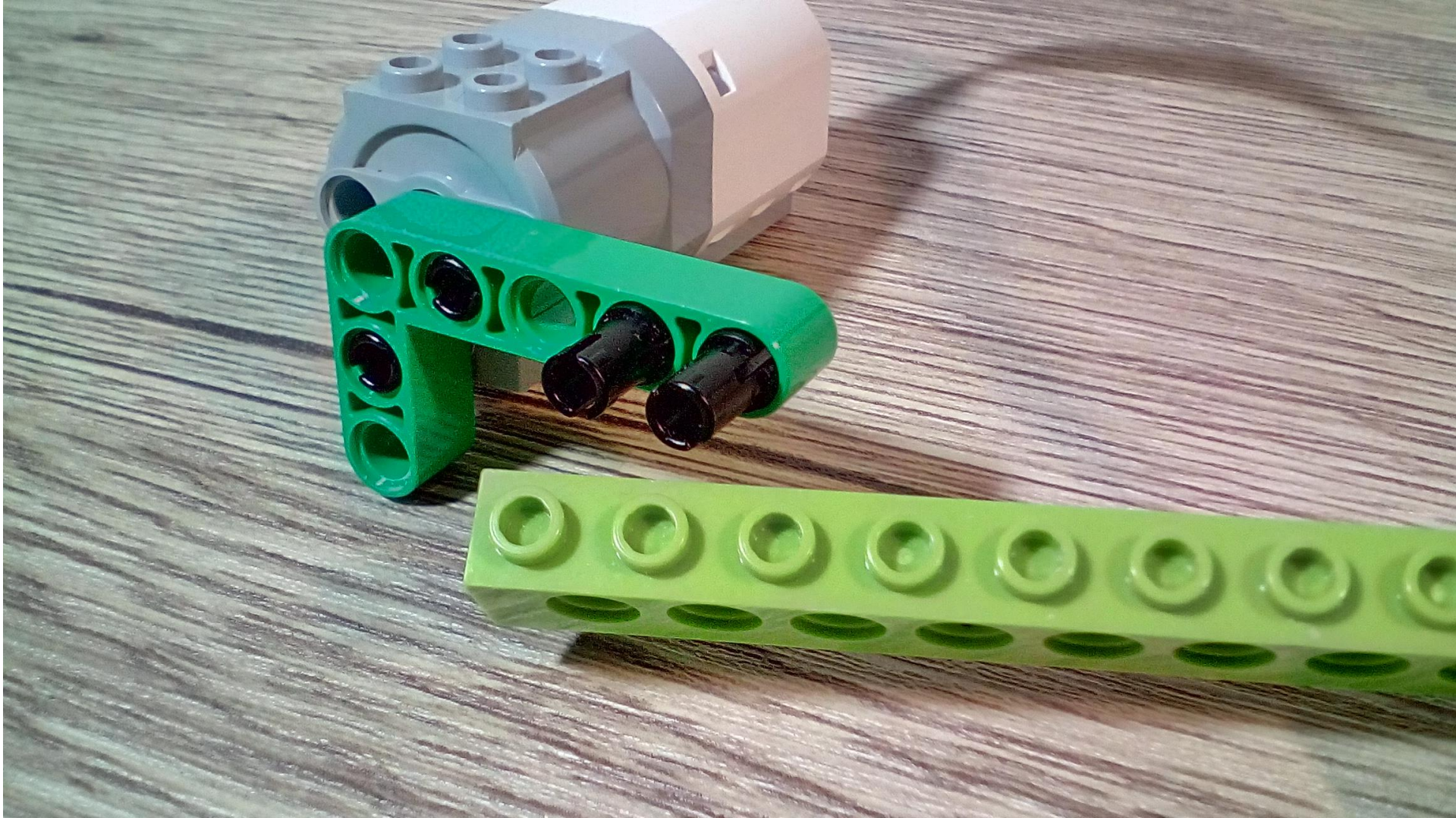
58



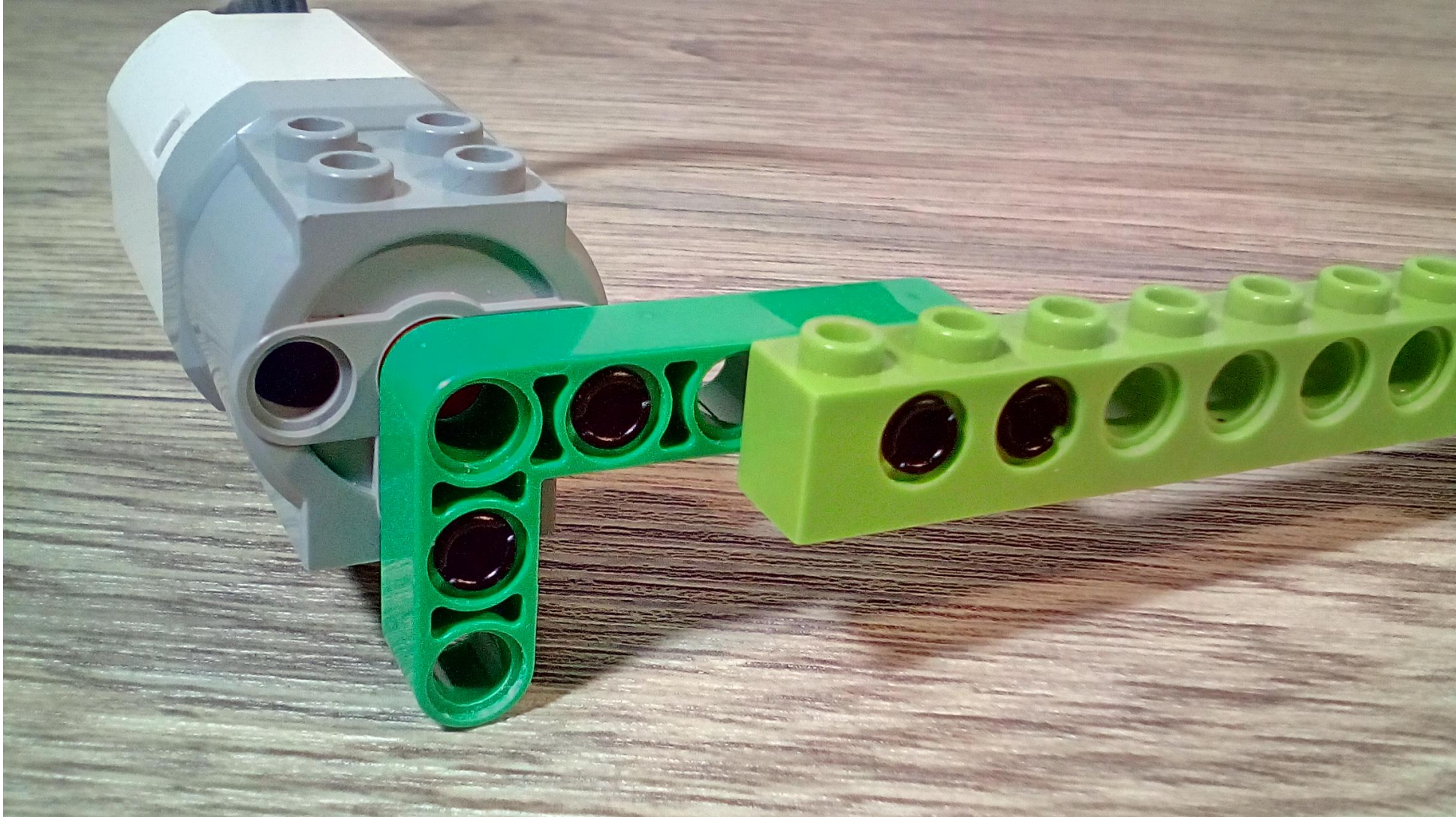
59



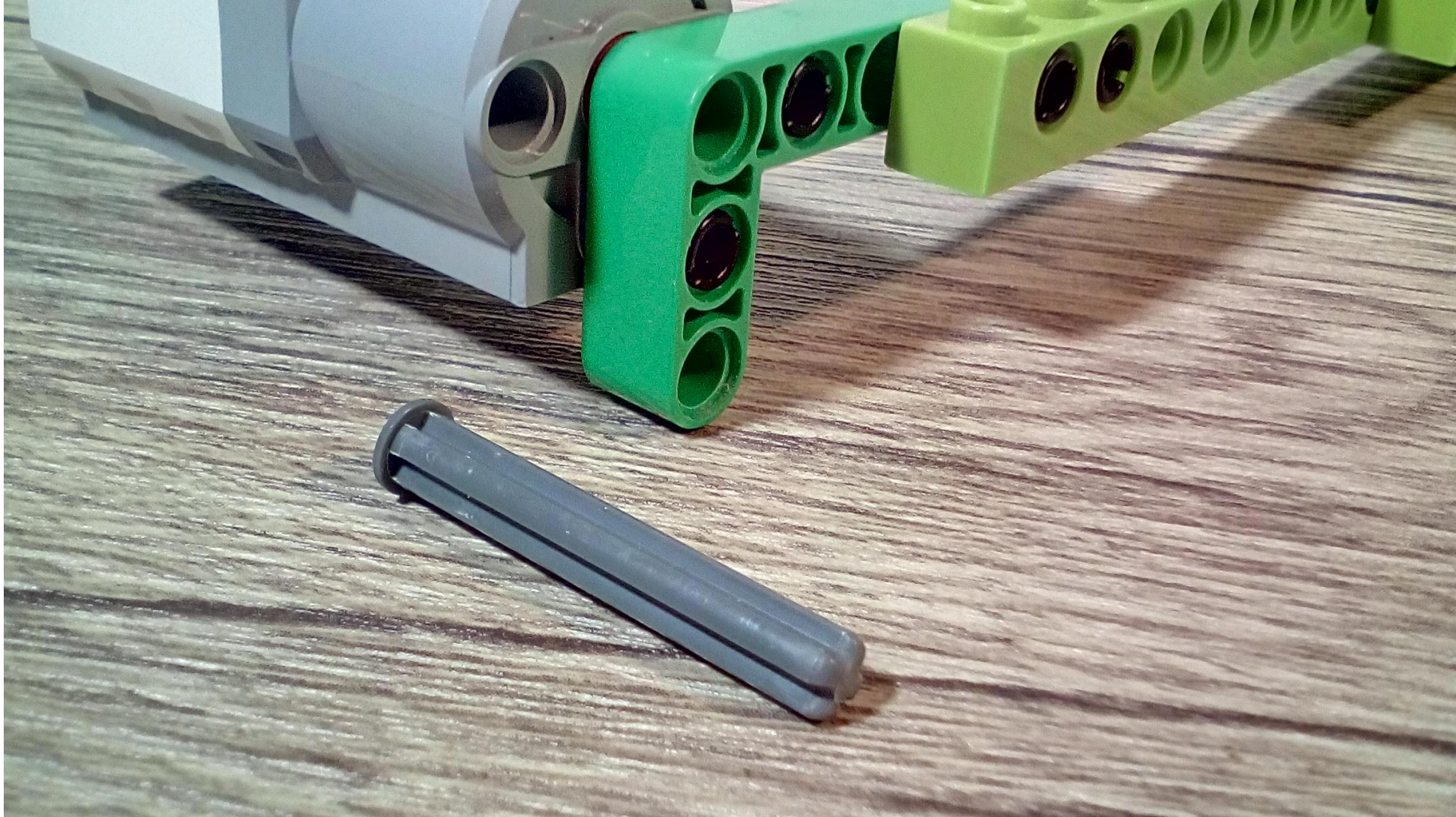
60



61



62



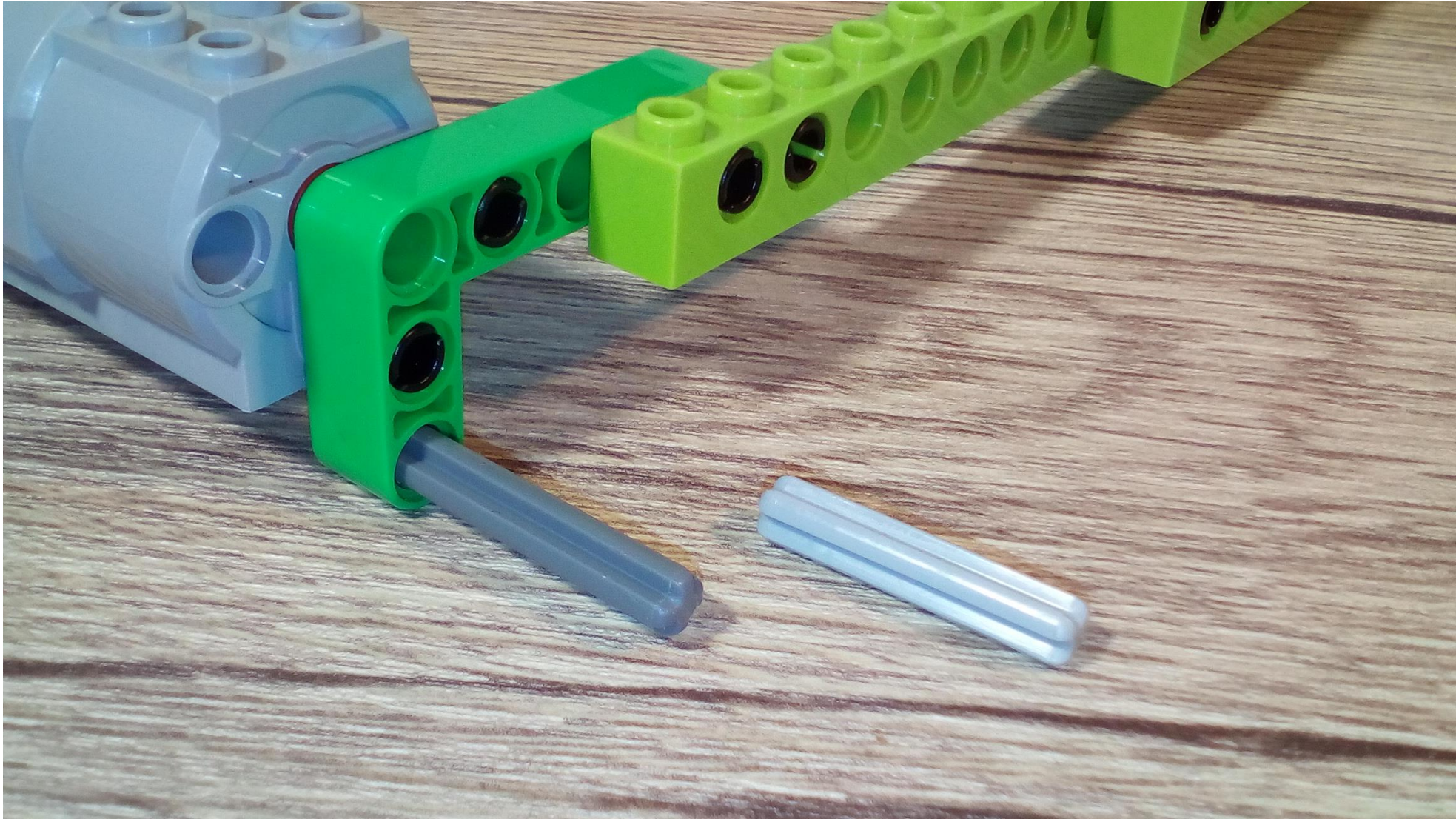
63



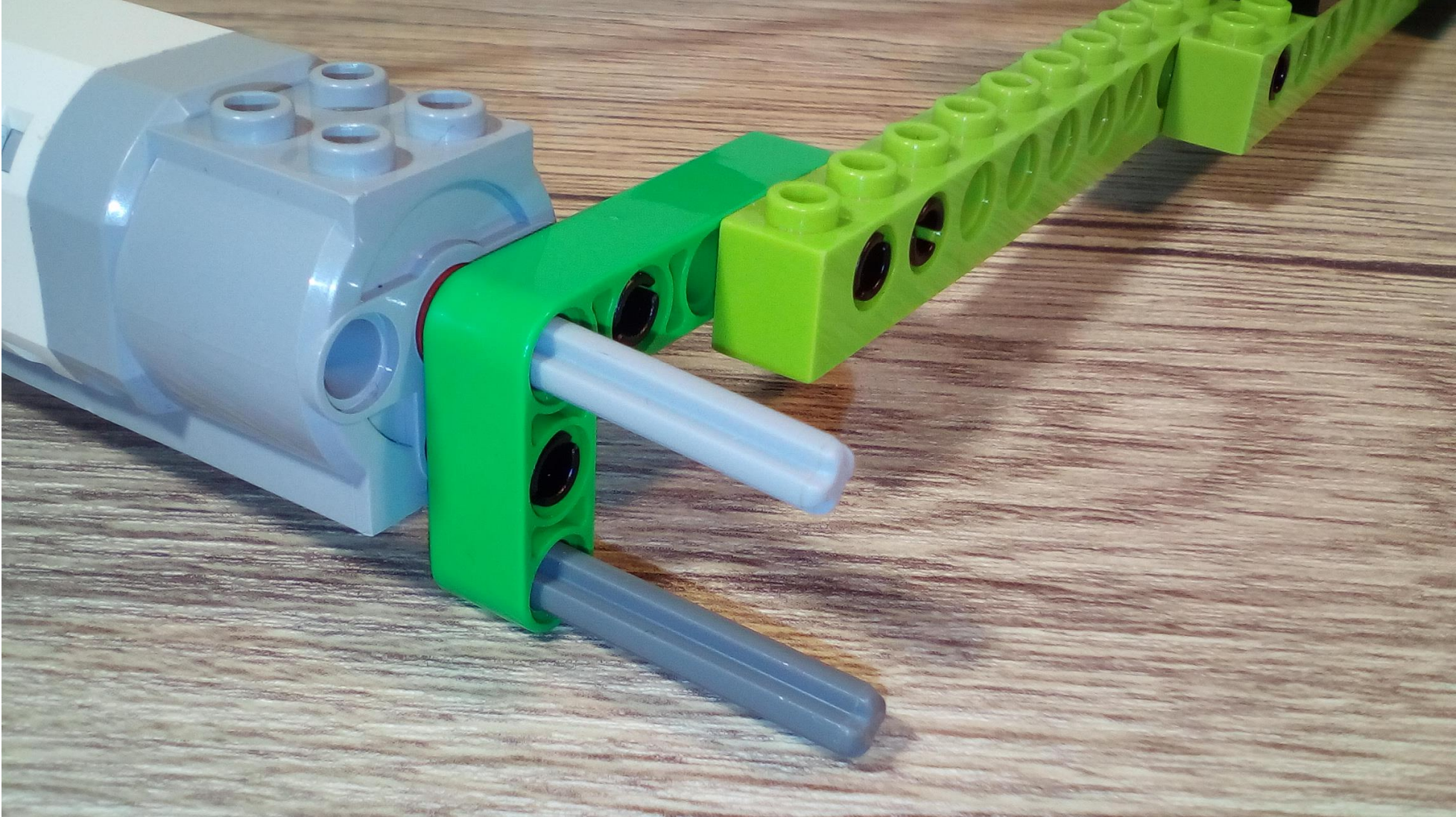
64



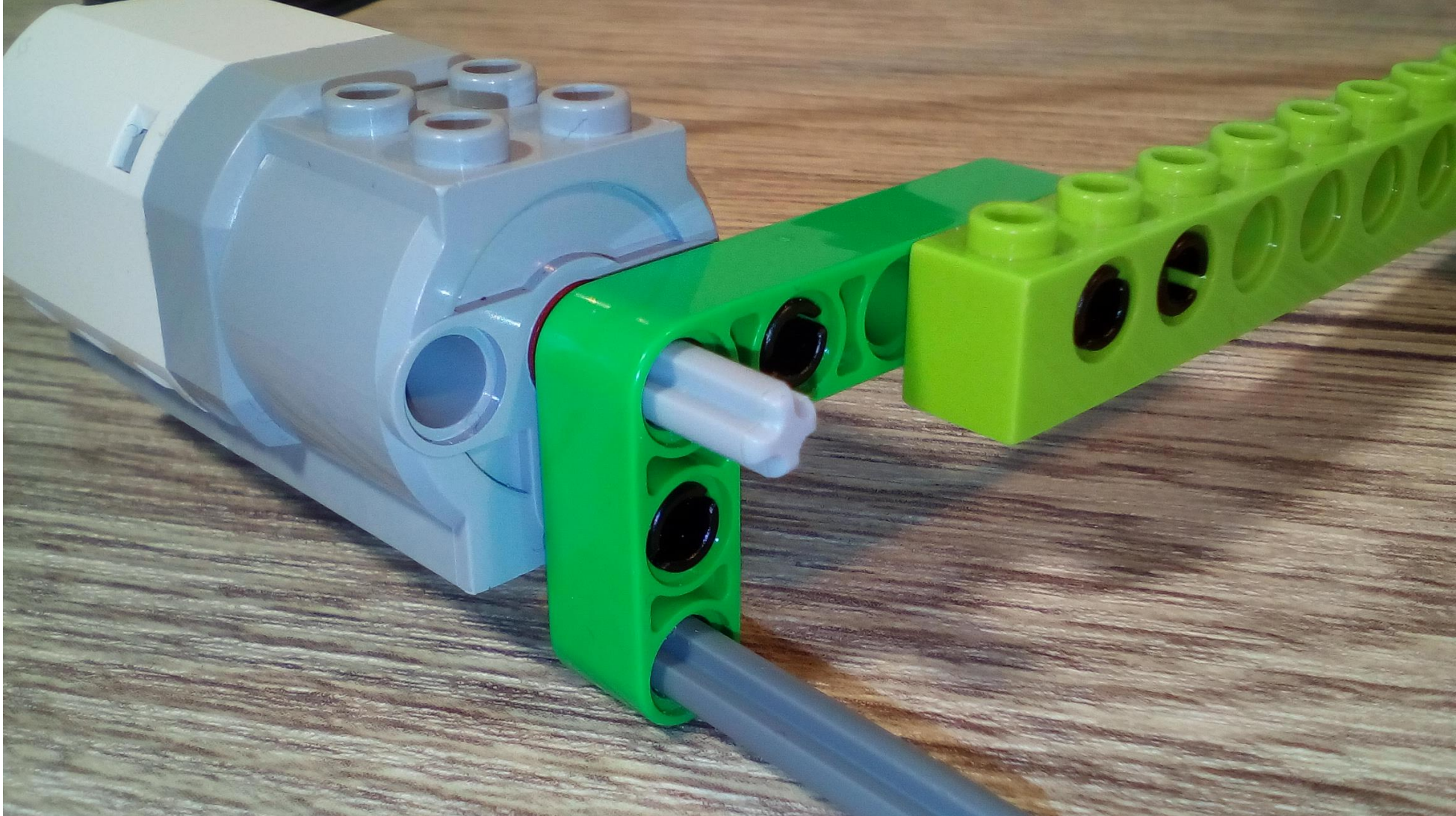
65



66



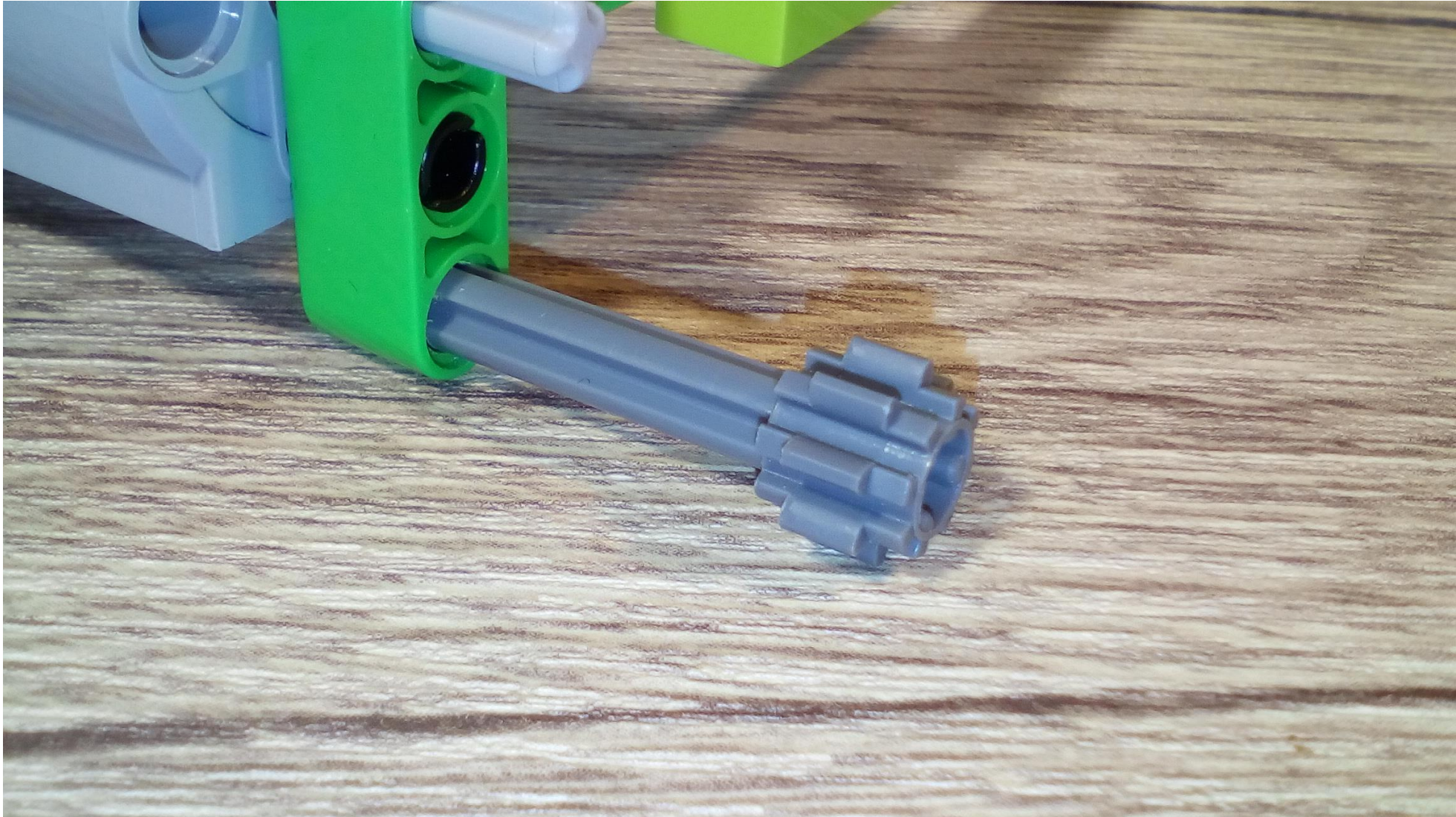
67



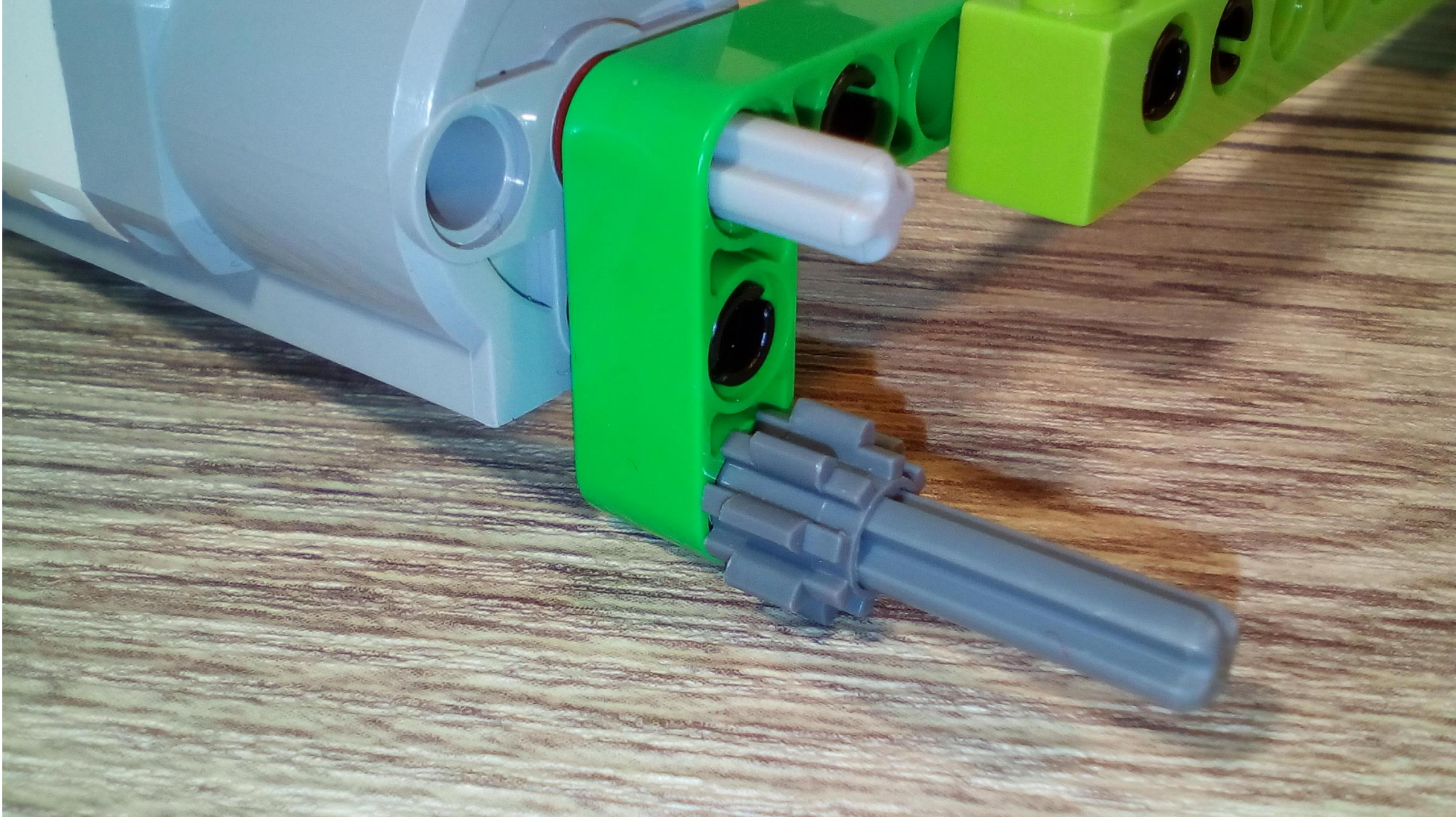
68



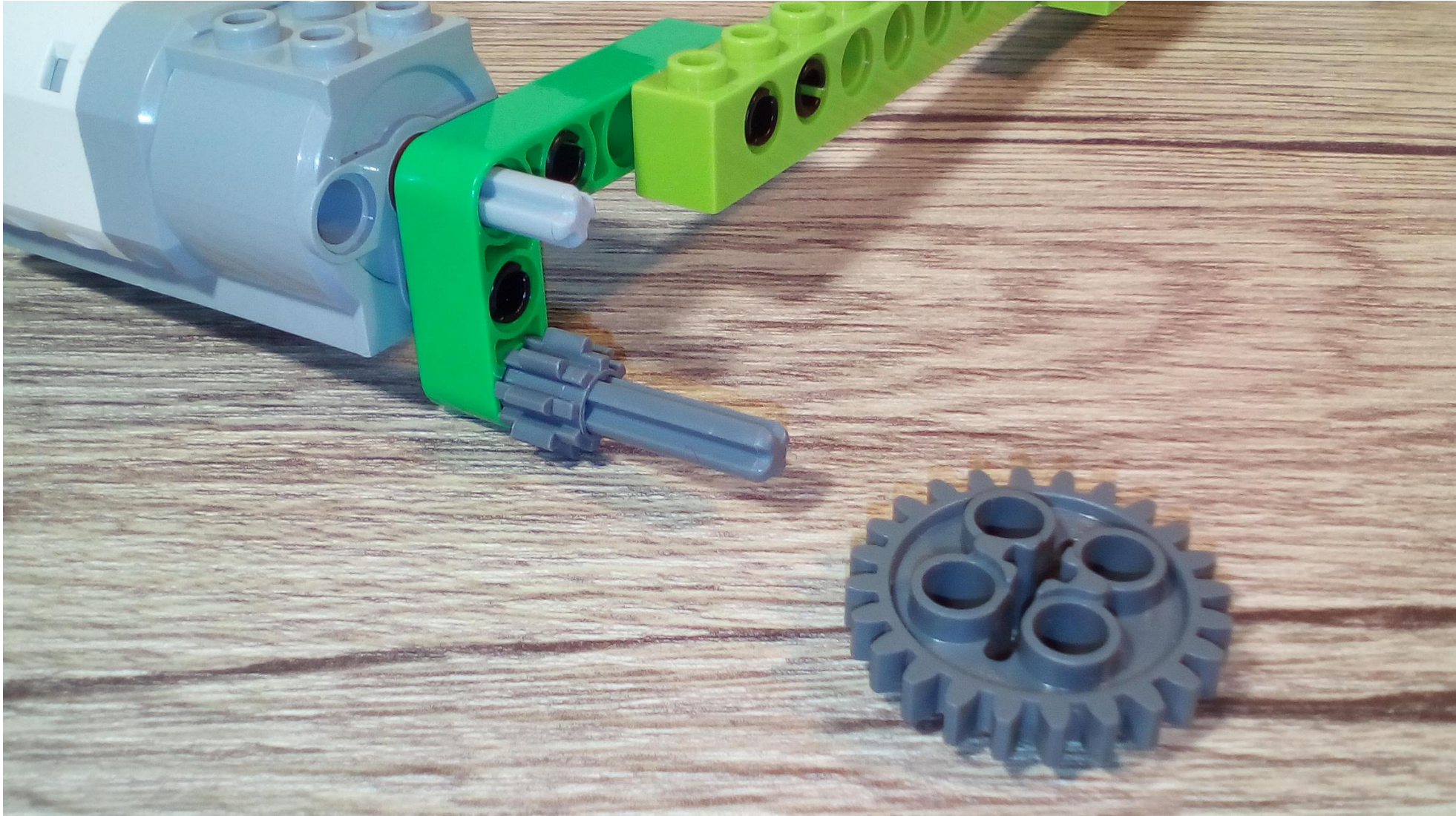
69



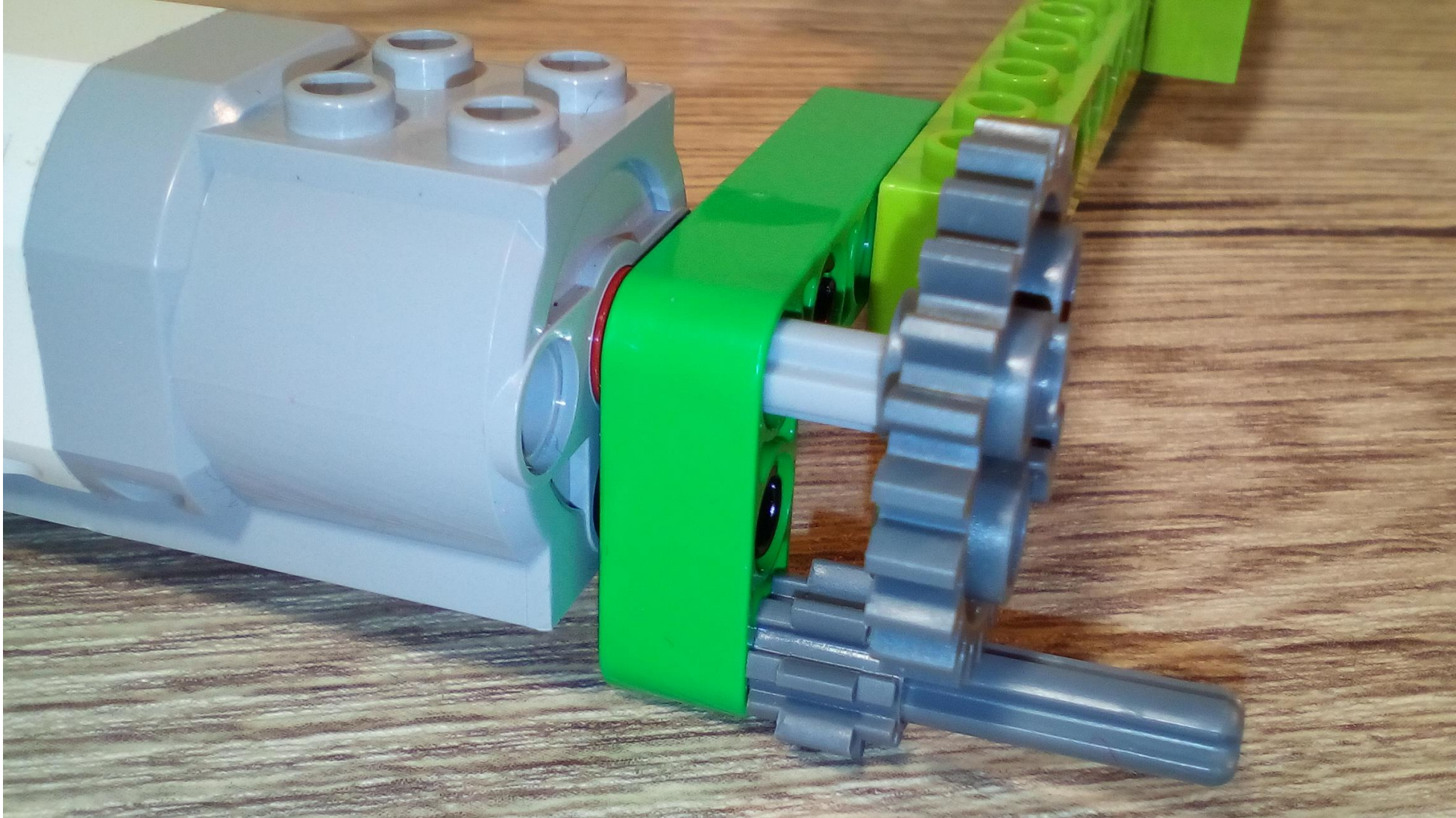
70



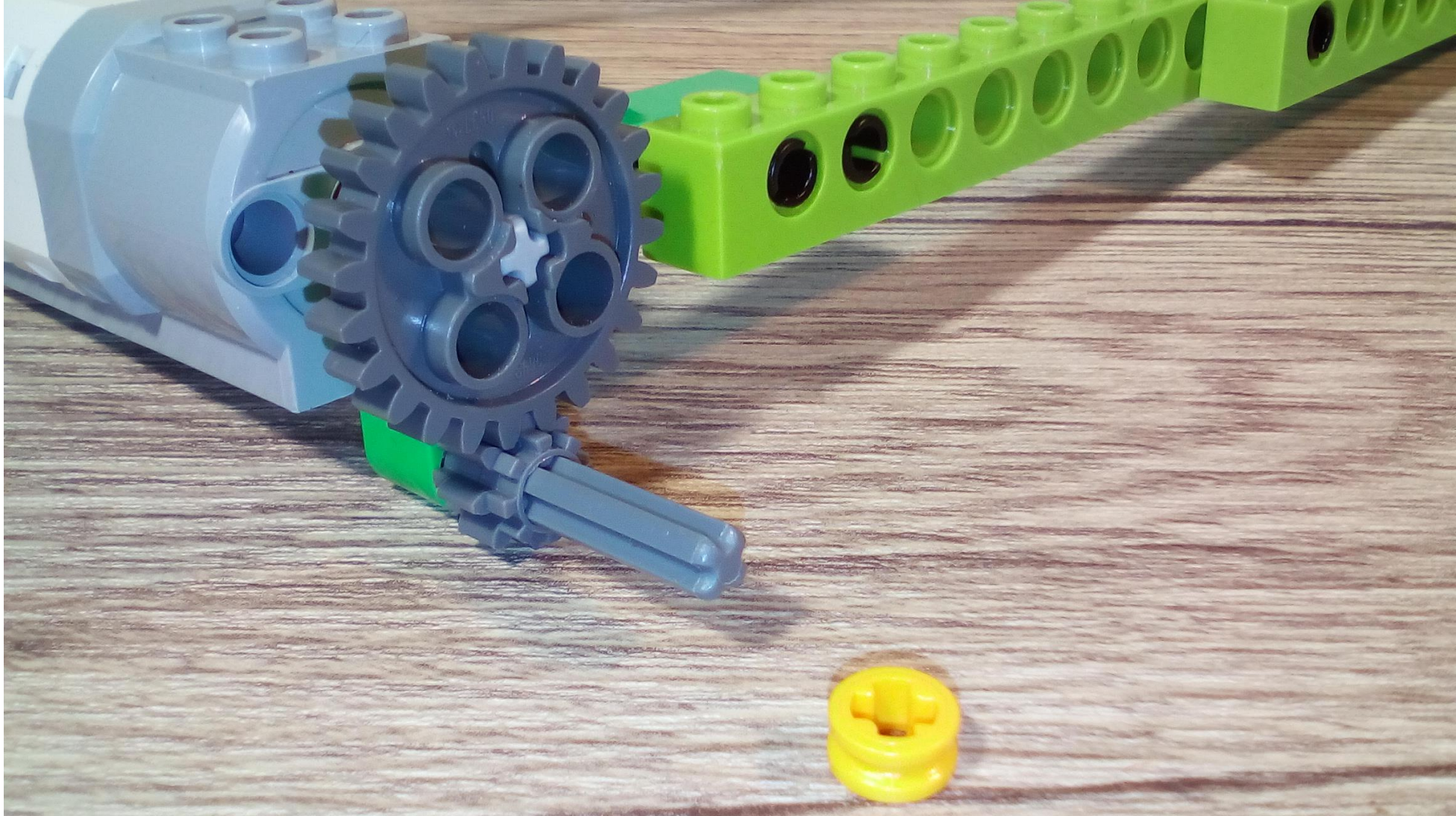
71



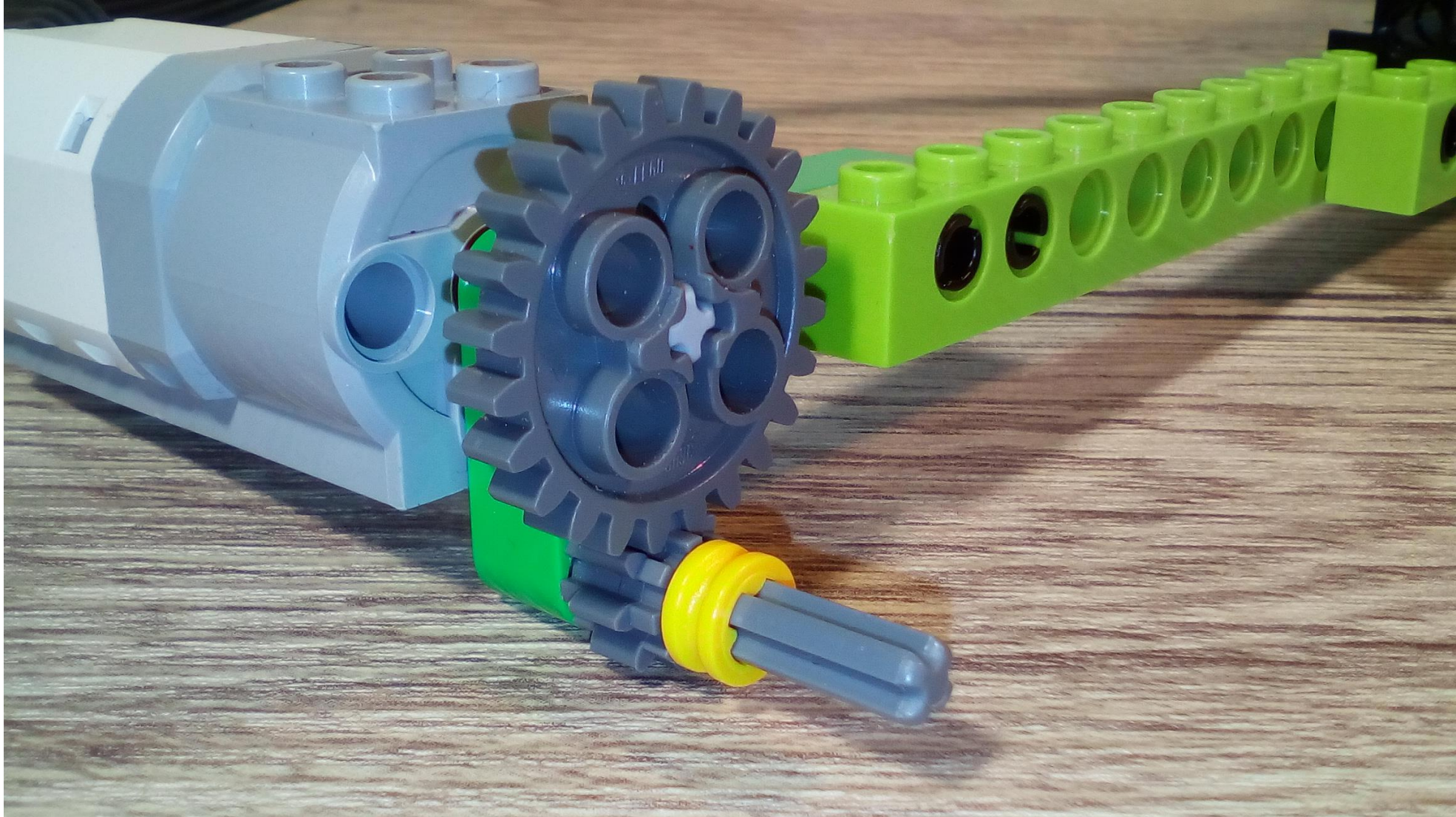
72



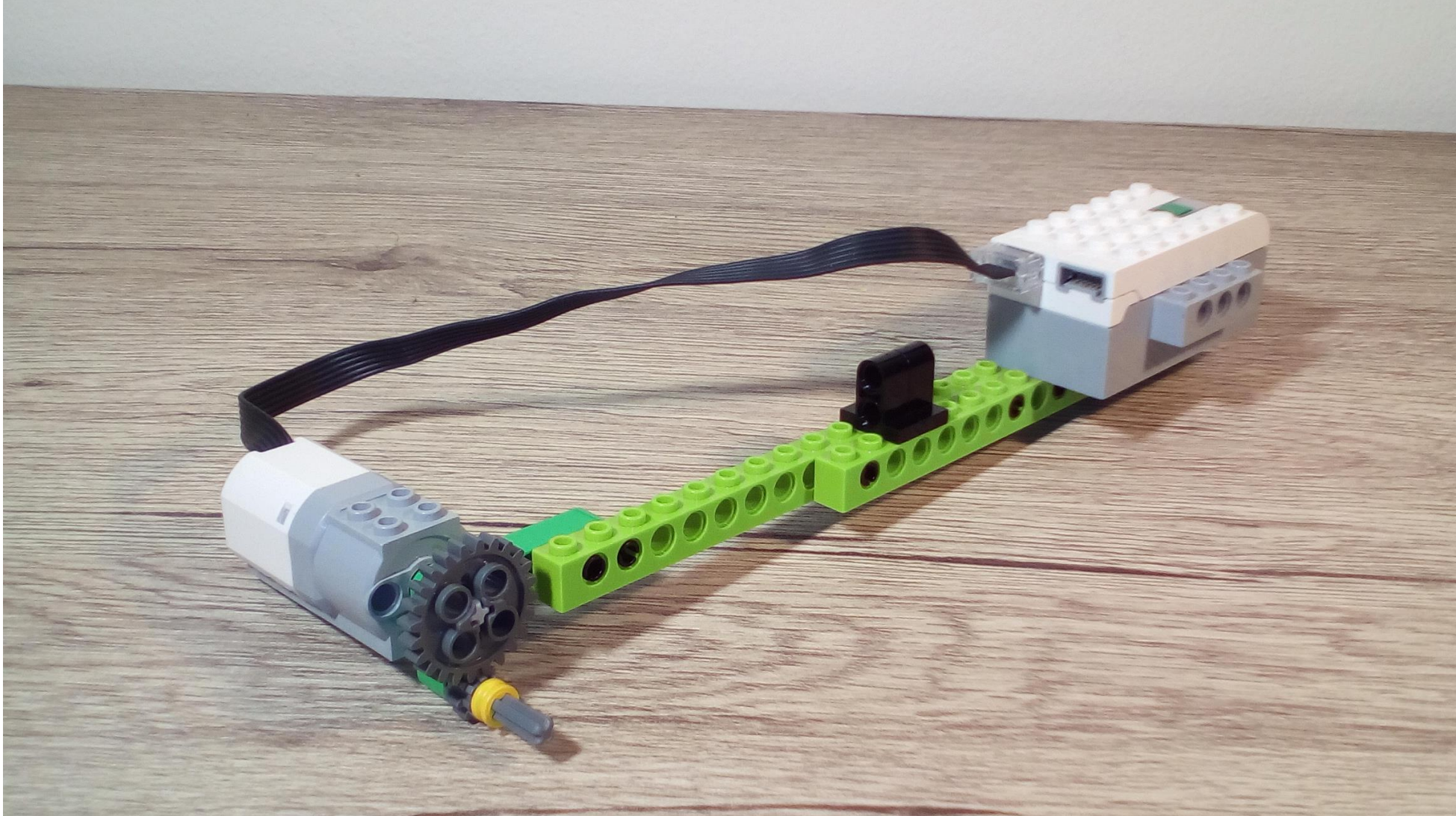
73



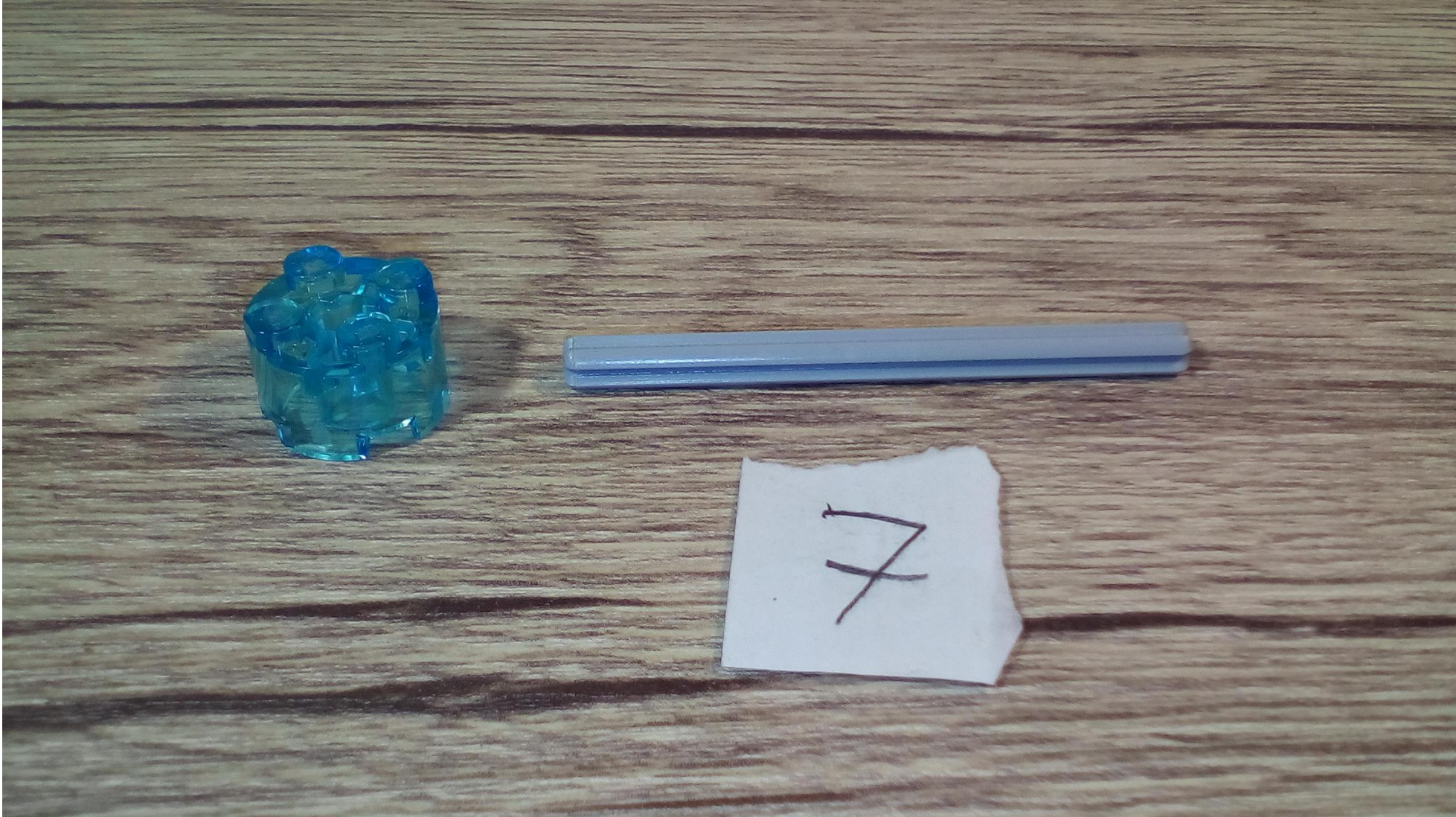
74



75



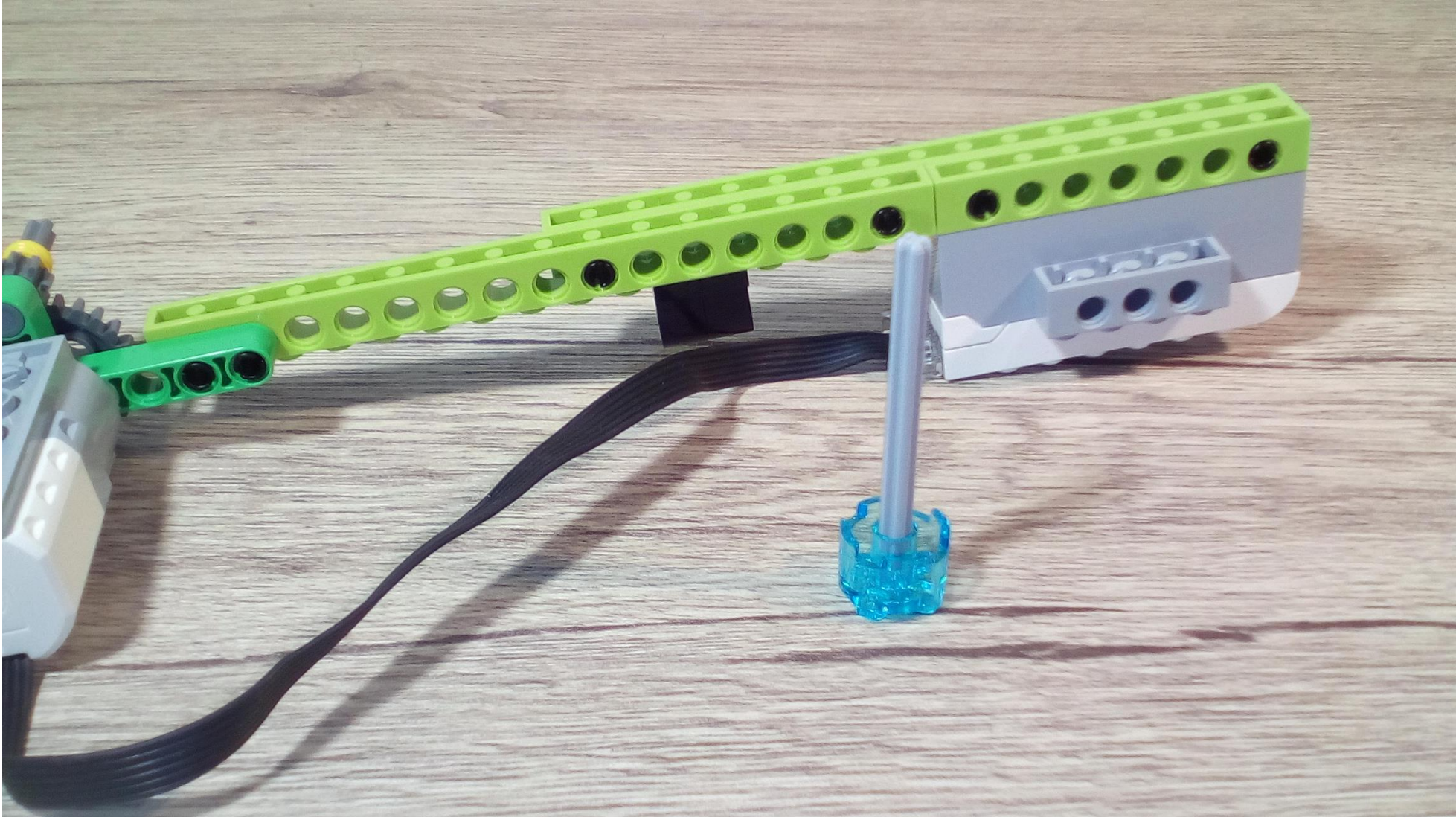
76



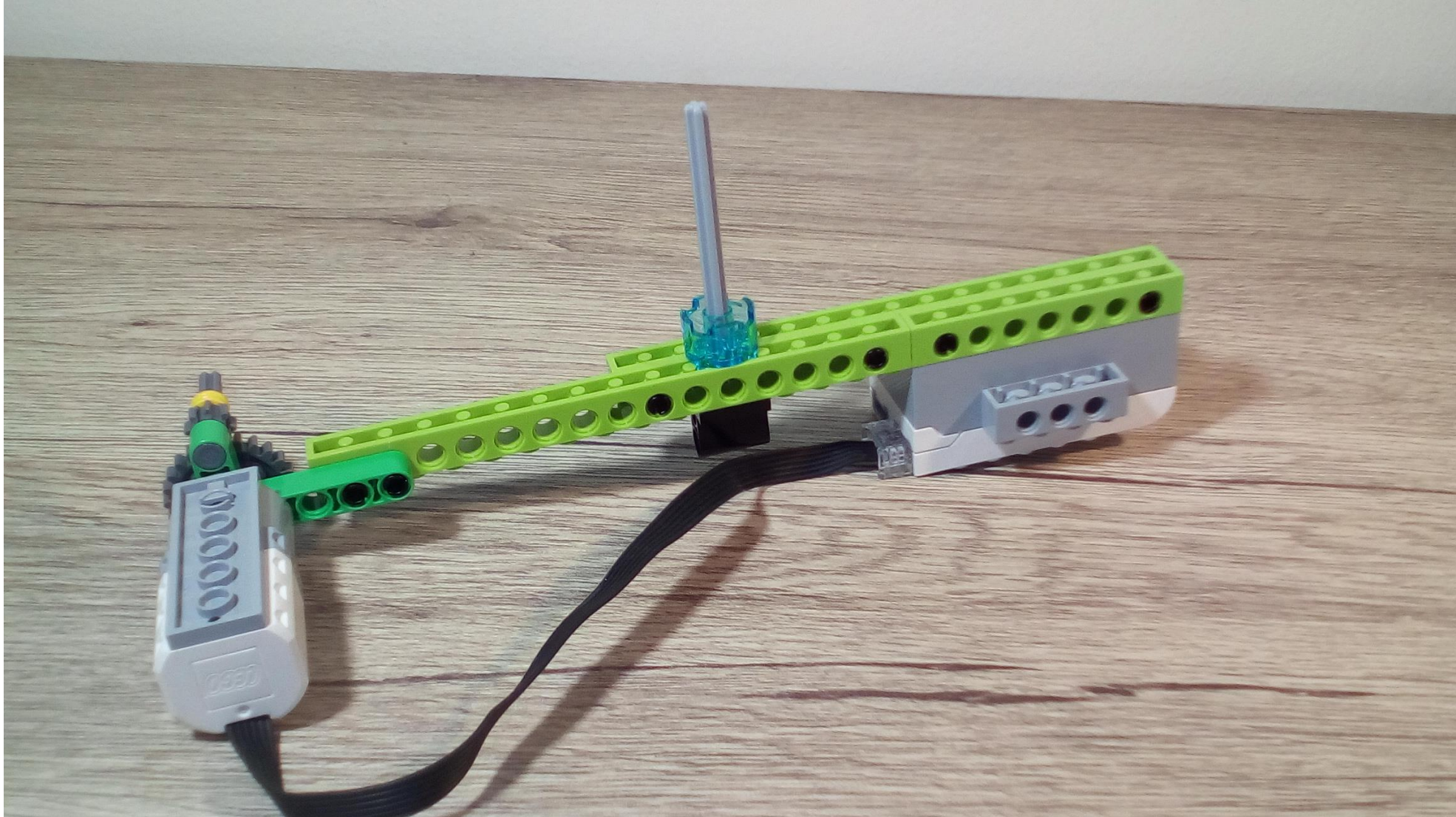
77



78



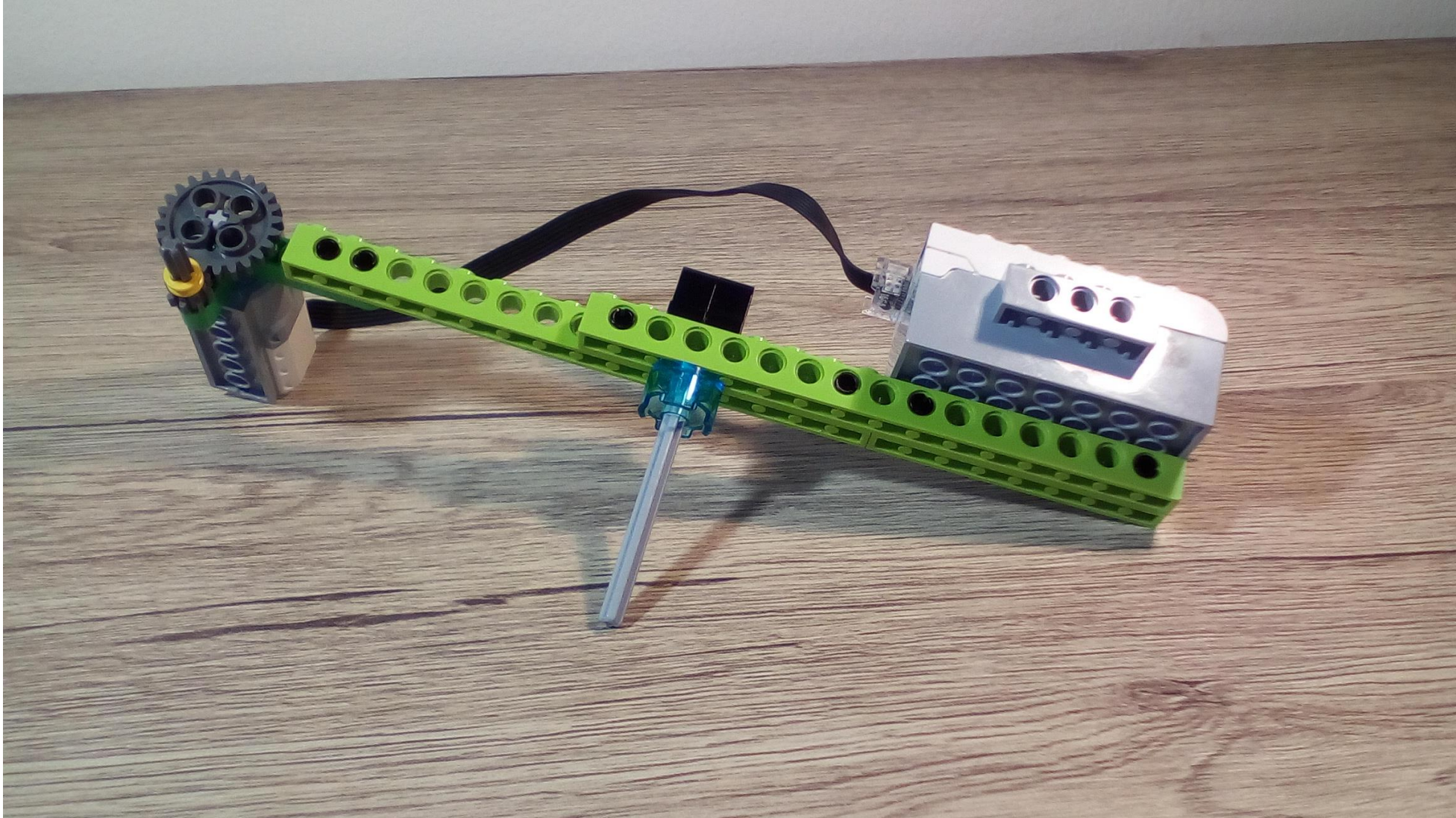
79



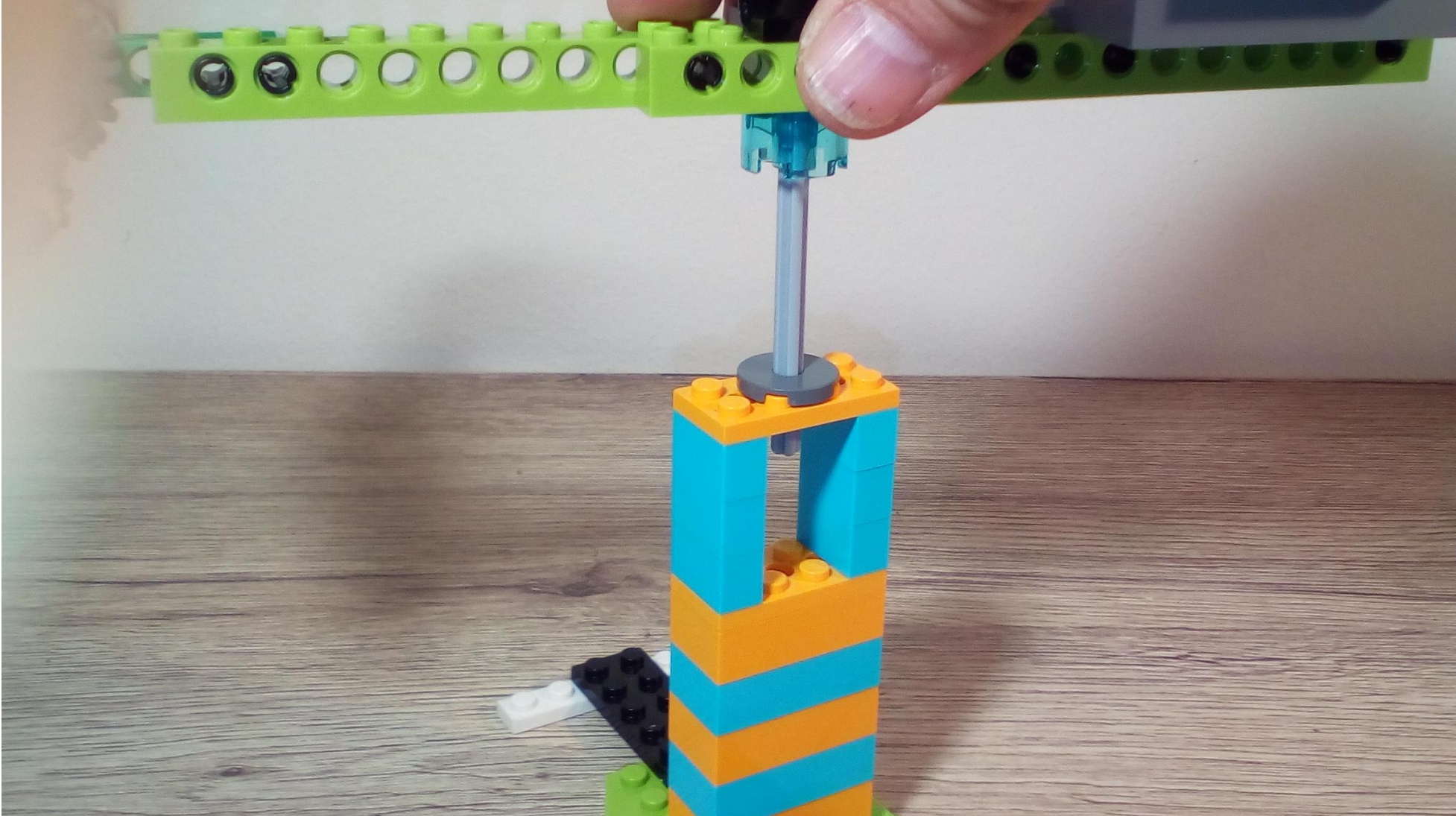
80



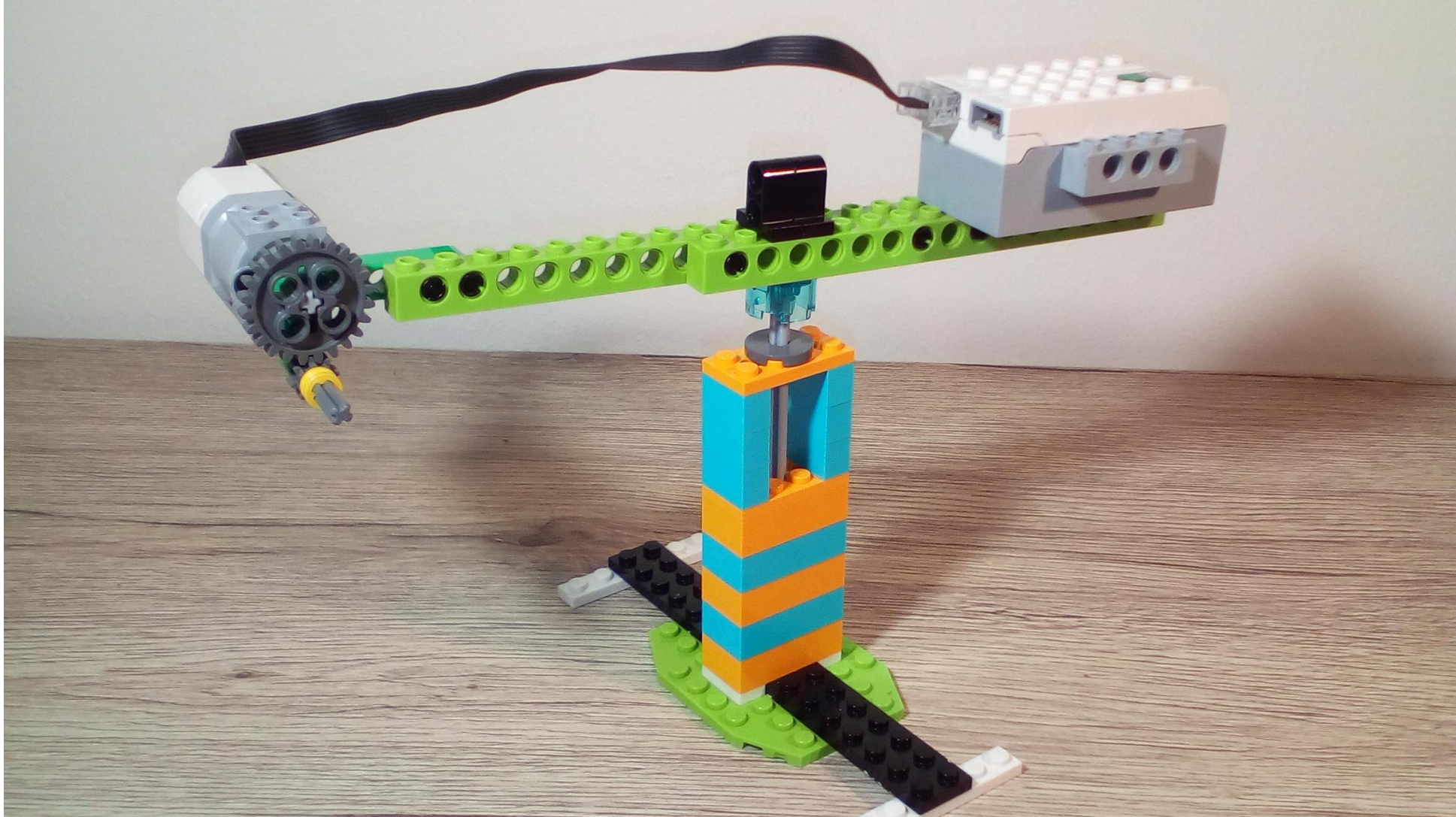
81



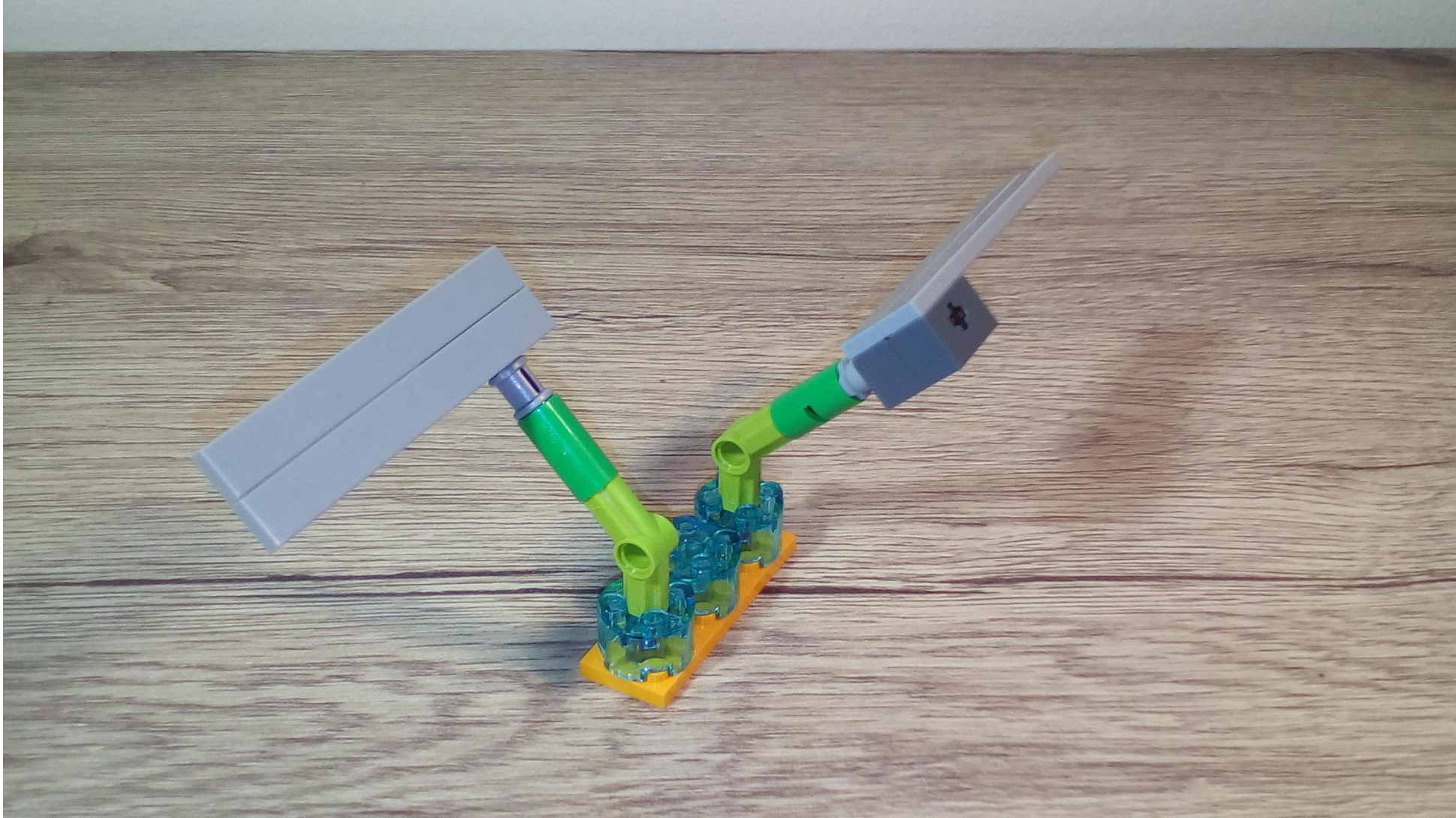
82



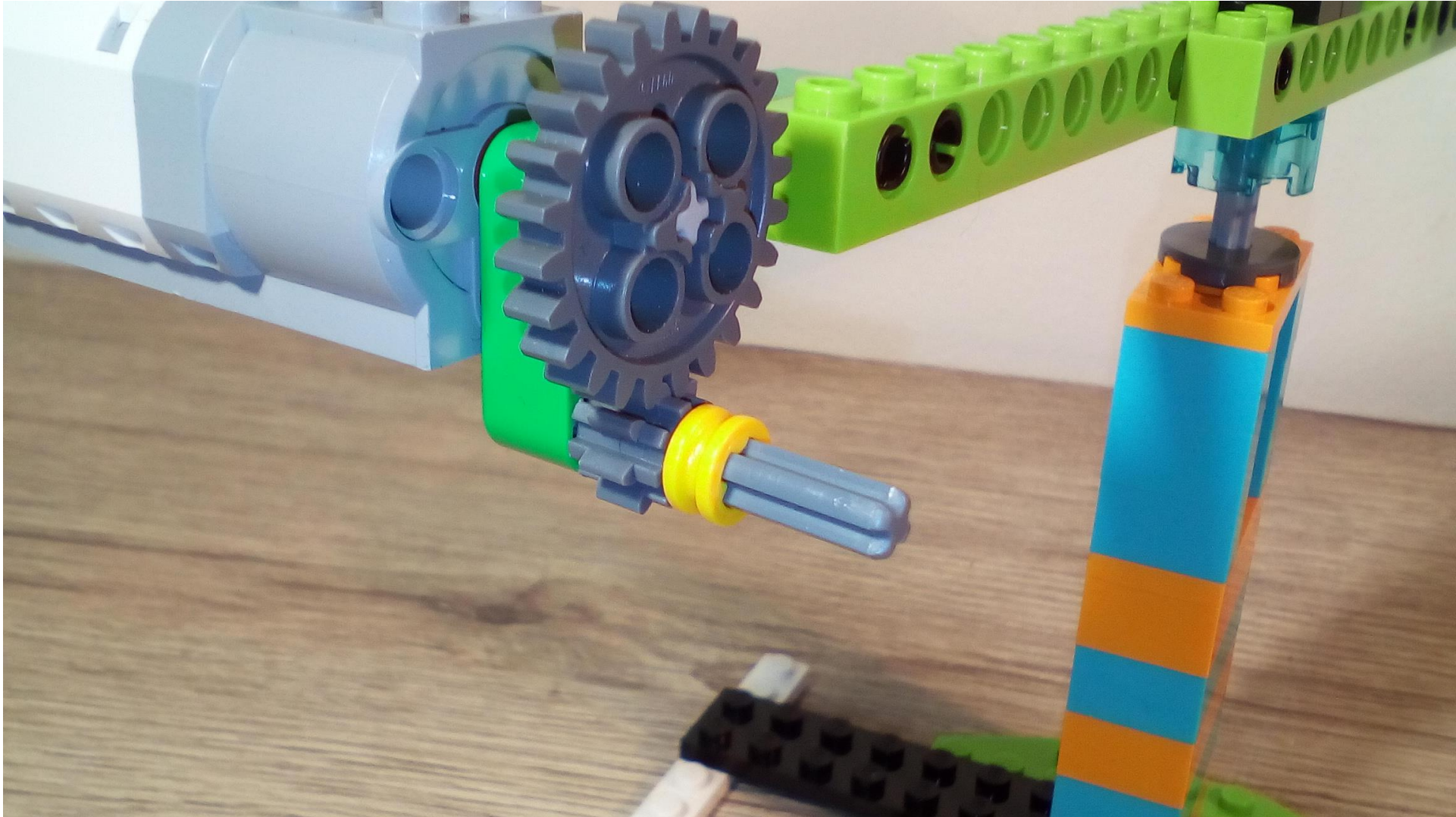
83



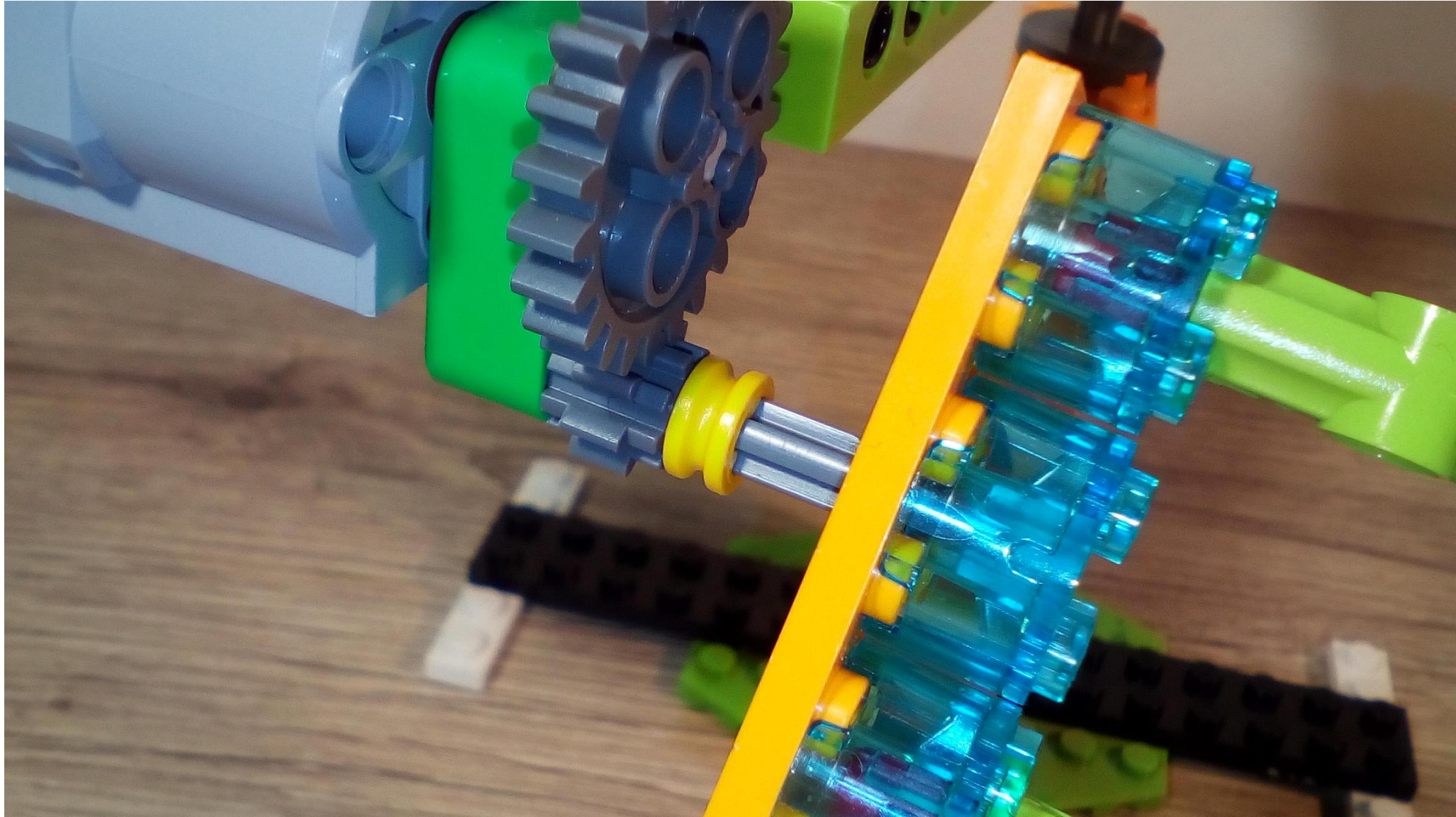
84



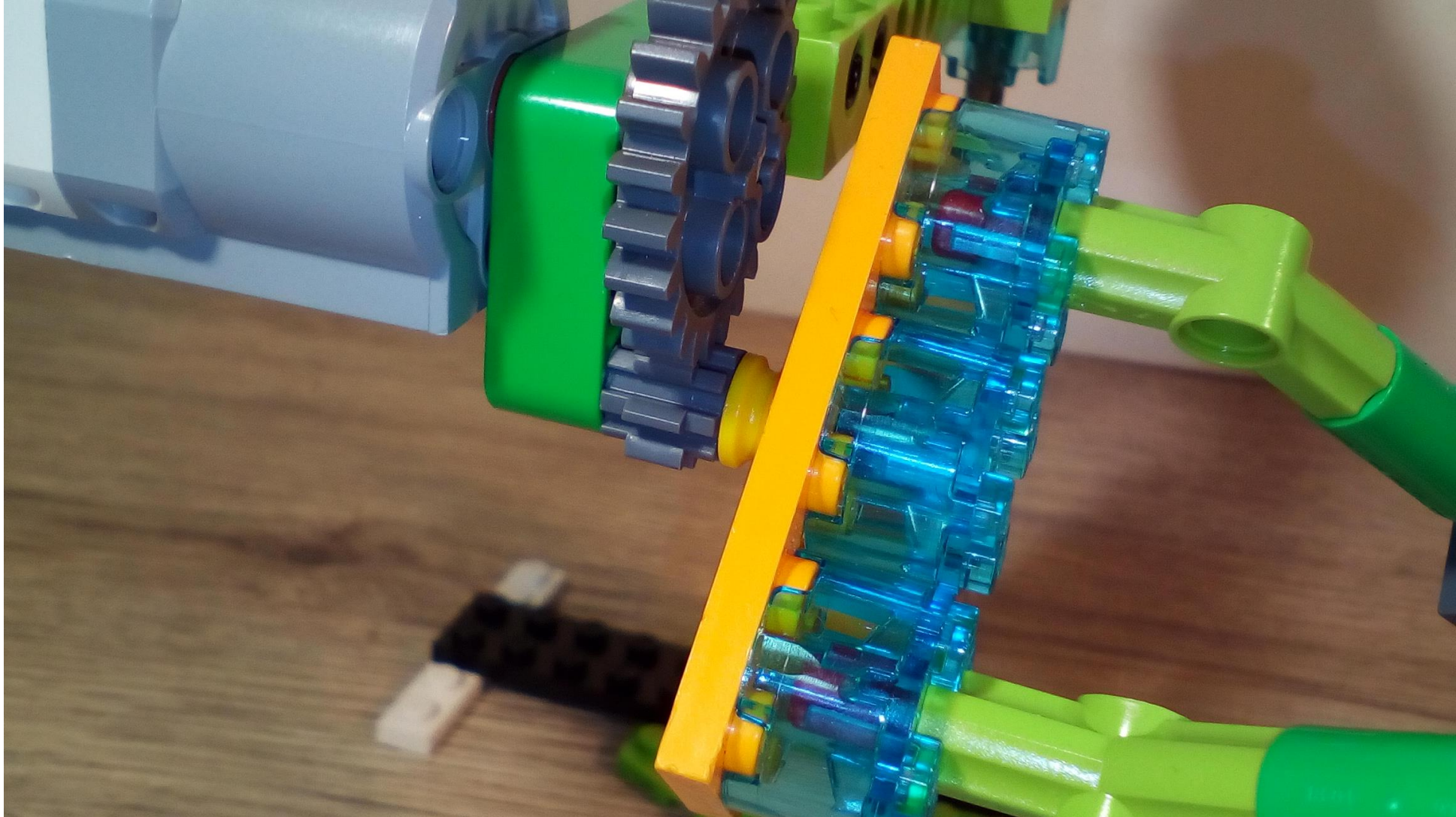
85



86



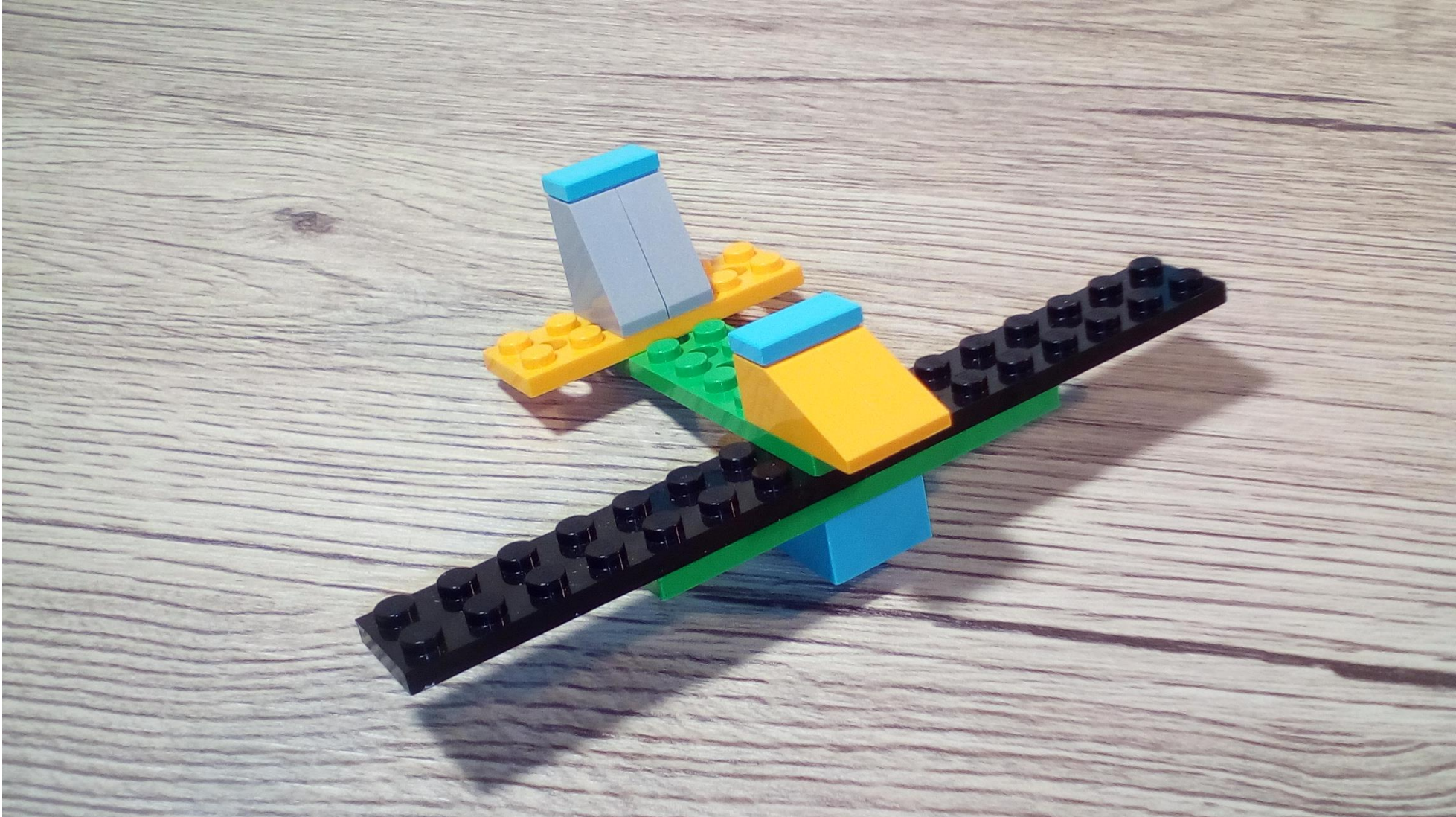
87



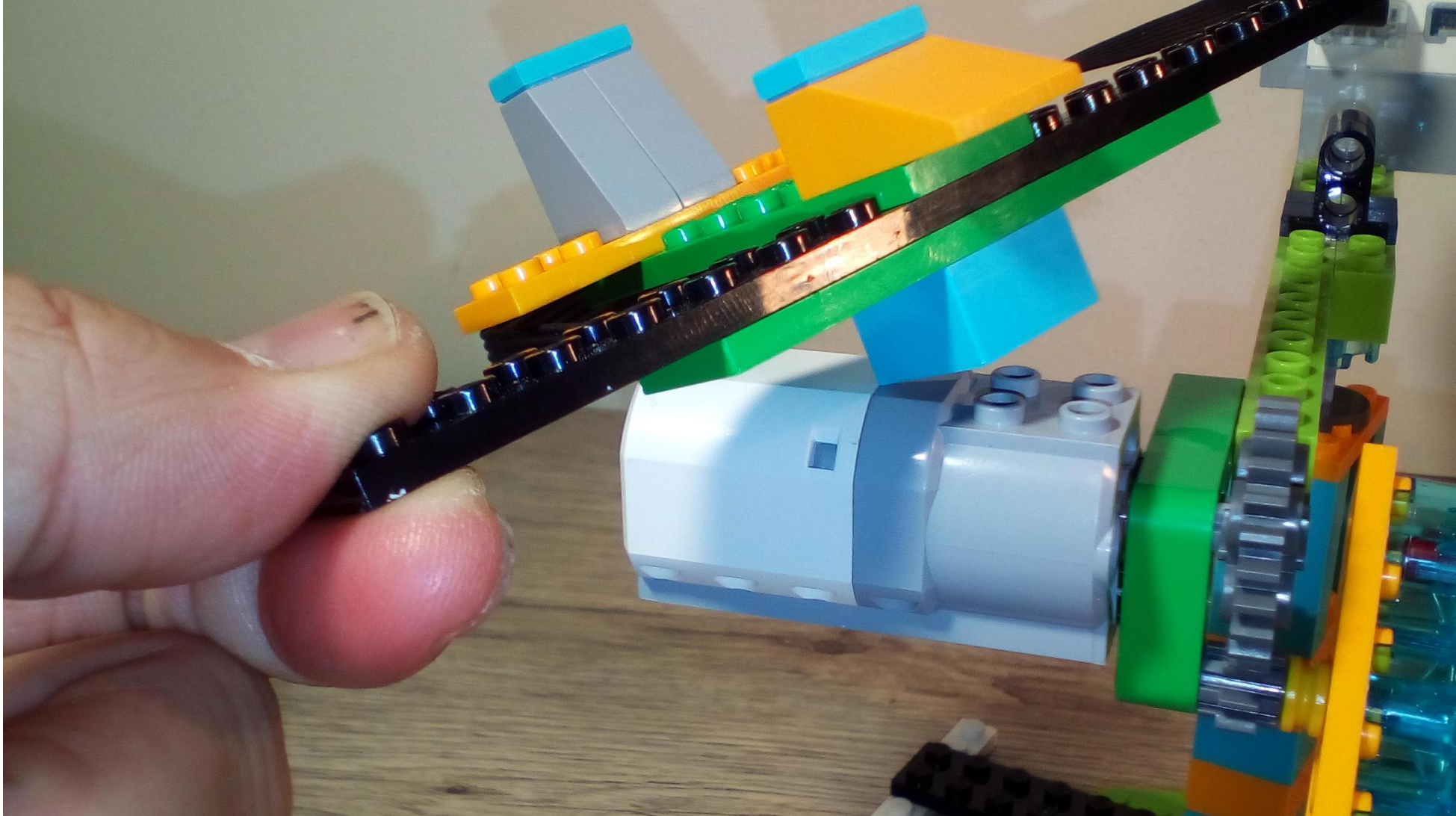
88



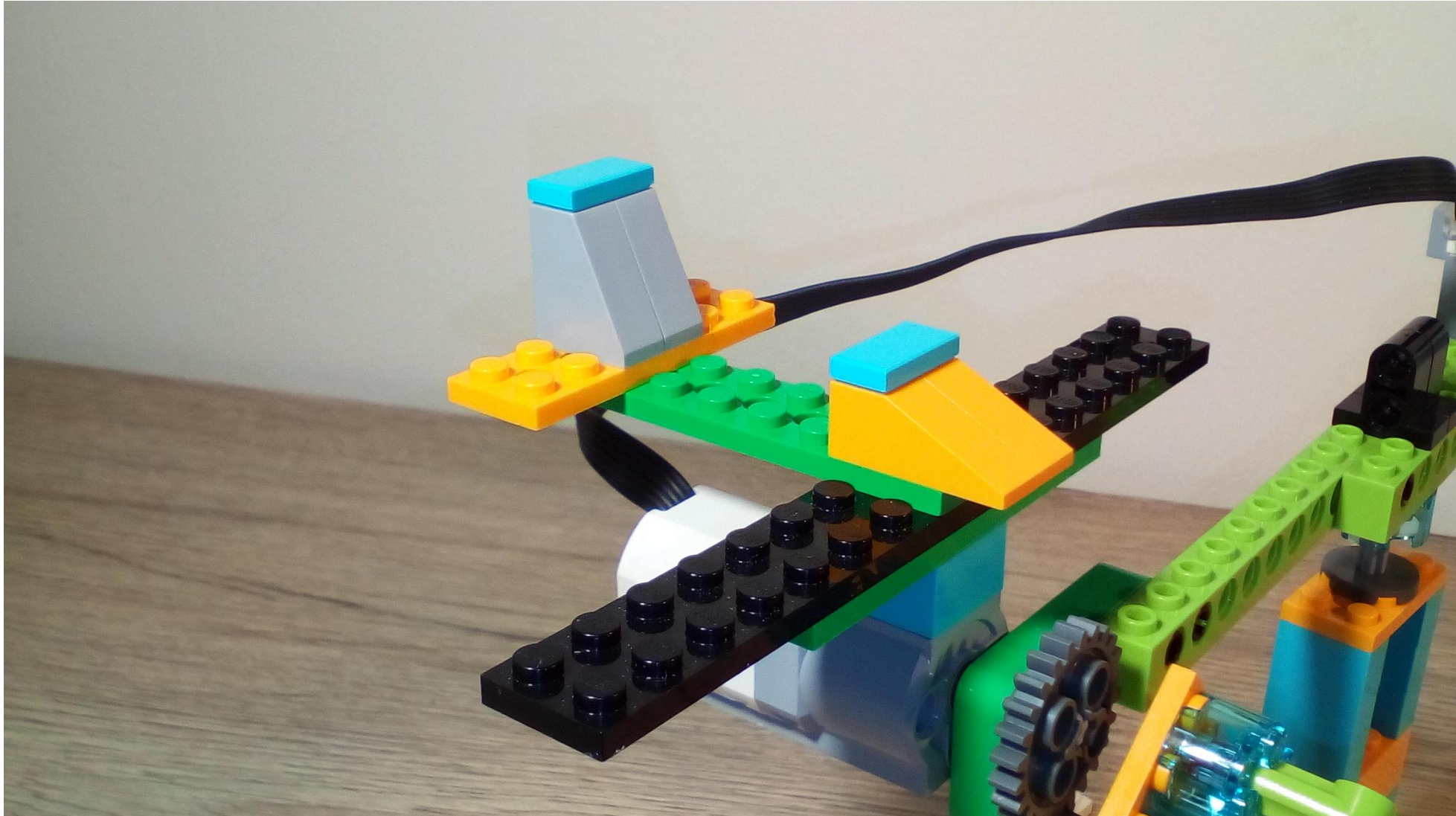
89



90



91



92



93



The script consists of the following blocks in order:

- Play** (Yellow block)
- Rotate 10 degrees** (Green block, value 10)
- Turn 90 degrees** (Green block)
- Repeat 70 times** (Yellow loop block, value 70, containing a **Change color by 25%** block)
- Stop all** (Green block)

*Όταν ολοκληρώσουμε το φύλλο εργασίας
αποσυναρμολογούμε την κατασκευή μας,
βάζοντας προσεκτικά κάθε κομμάτι στη θέση του*

