

WHY LEGO?

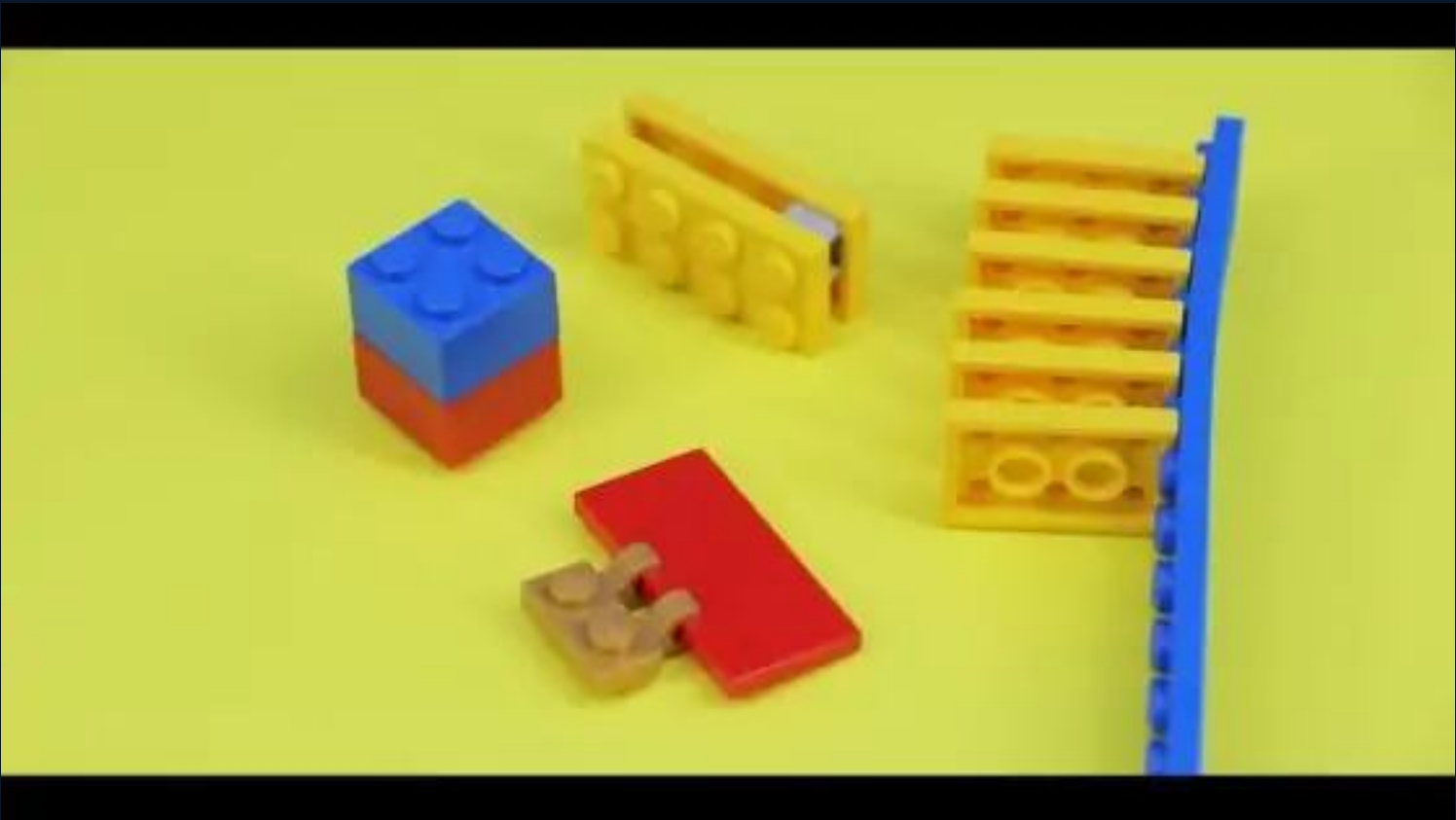
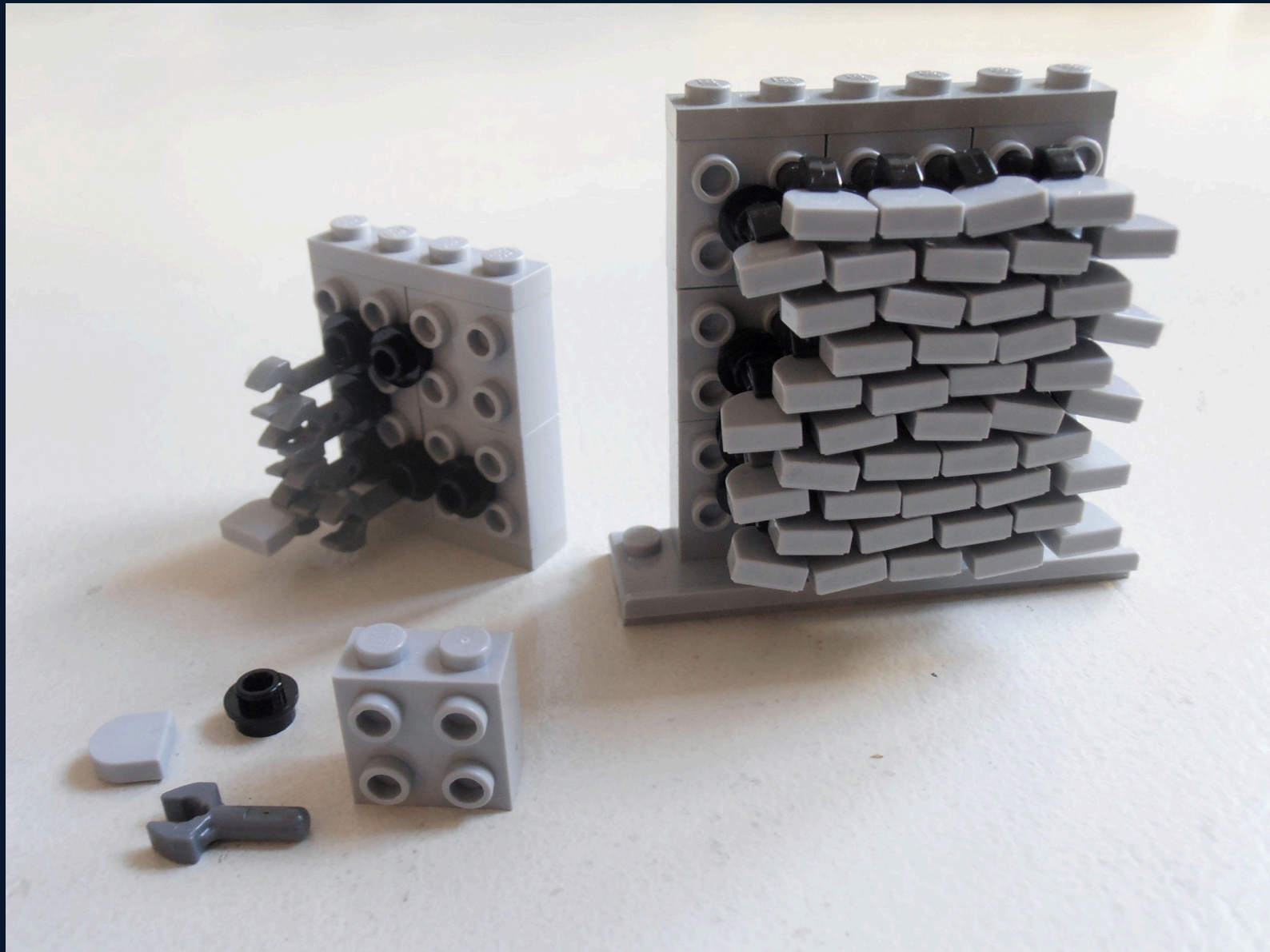
Its versatile!

These are some cool fan made builds
or MOCs (my own creation)



Building techniques

There are lots of ways to assemble Lego and when your using your creativity there really is no wrong way to do it.



DESIGNING A LEGO SKYSCRAPER – PART I

What exactly is involved in designing a LEGO model of a real skyscraper ? I wish I had a knack for doing it by eye – intuitively figuring out how wide (in terms of studs) and tall (in terms of brick heights) the model needs to be just by looking at pictures of the real building. I am sure some

Some of the key dimensions of a real skyscraper are 0.8 cm wide and 0.96 cm tall, which is equal to a brick in height and 1.2 cm tall.

8.0 mm
4.8 mm
3.2 mm
5 mm

LEGO BUILDING TECHNIQUES – HALF STUD OFFSETS

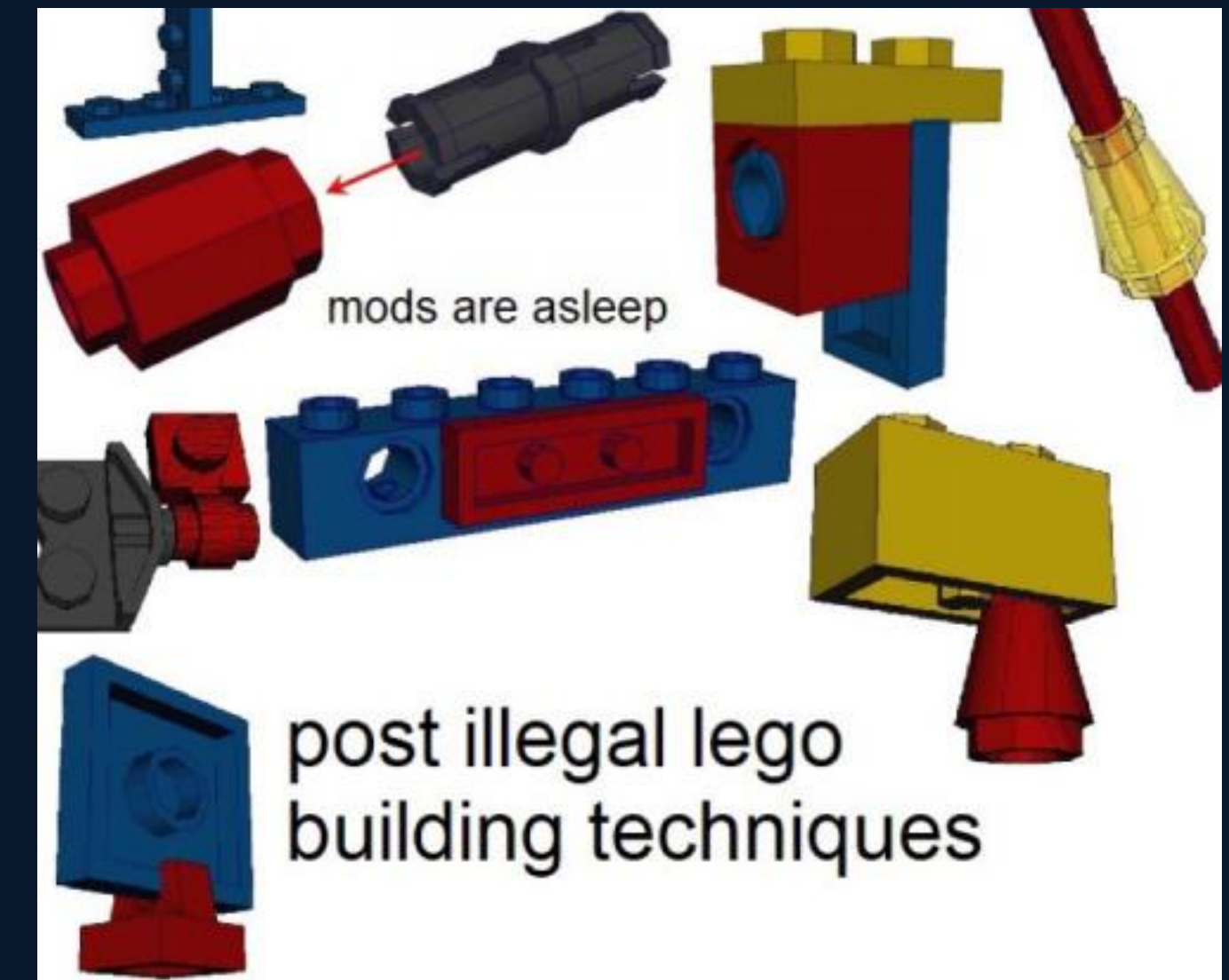
LEGO BUILDING TECHNIQUES – ANGLED WALLS

Tapering in one and two dimensions without and with half stud offsets

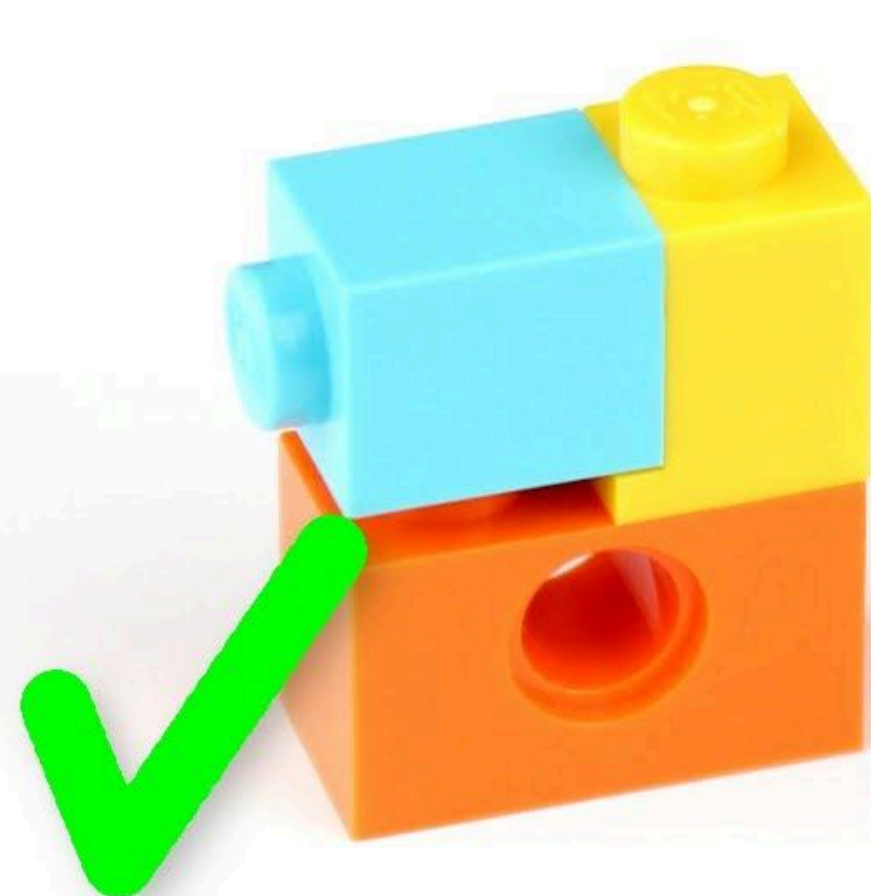
How does this Pythagorean triple (3, 4, 5) translate to LEGO ? Basically, if you place your

Illegal techniques?

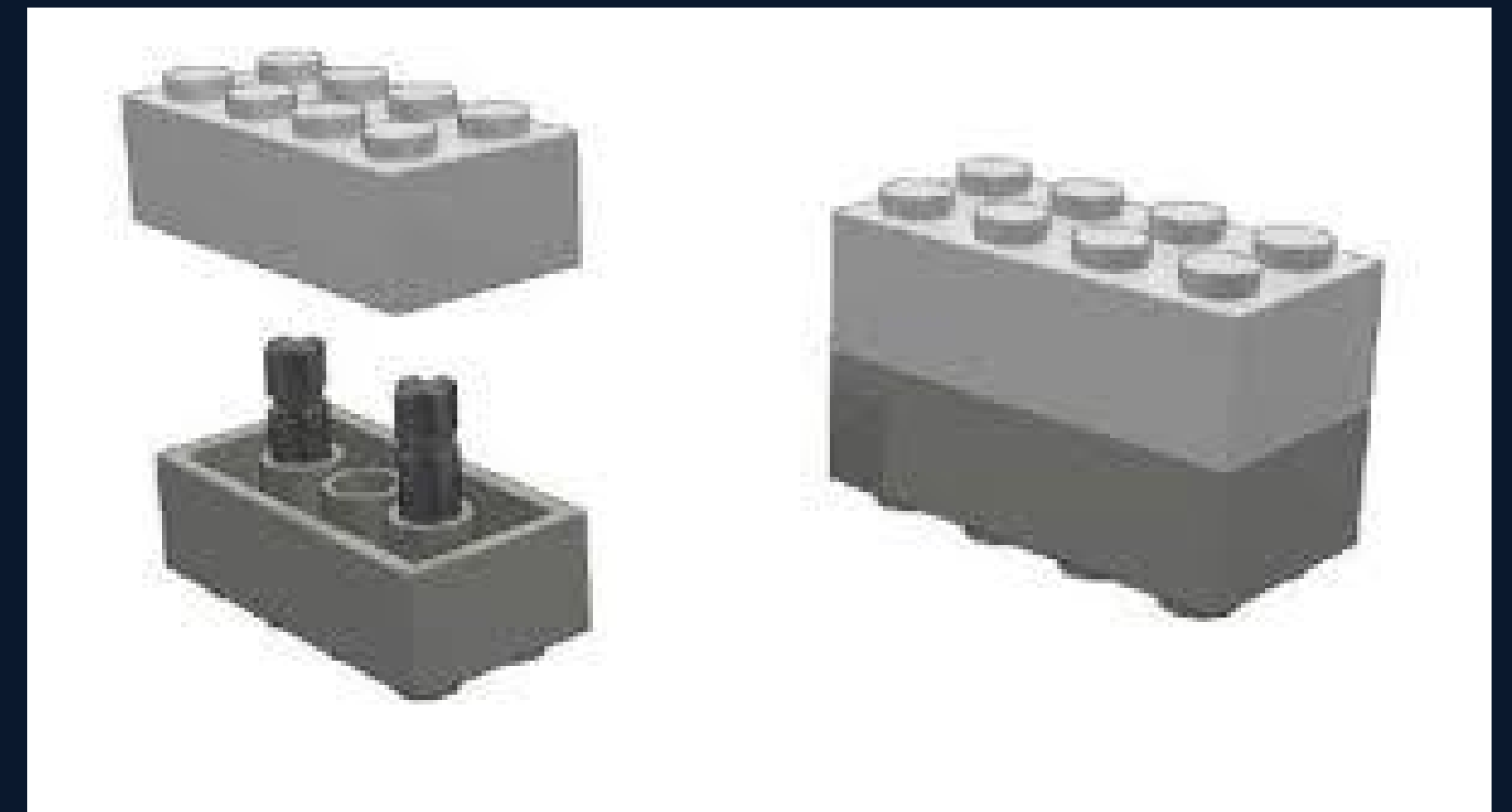
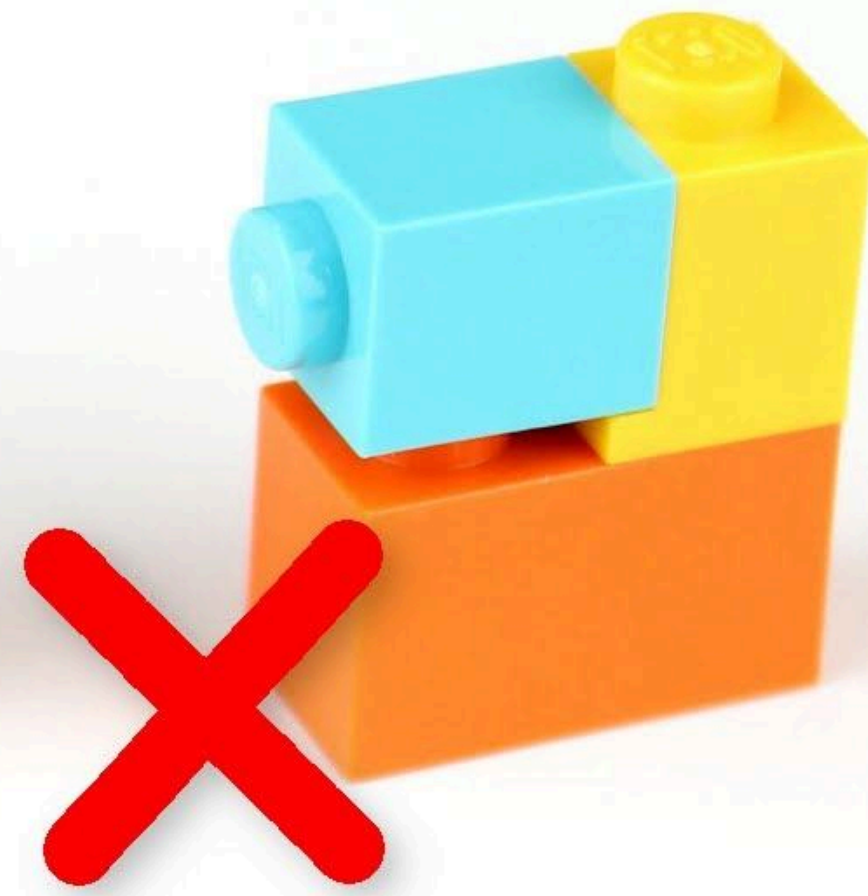
There are some techniques that are “illegal” meaning they aren't used in official Lego sets for reasons like model stability and



LEGAL

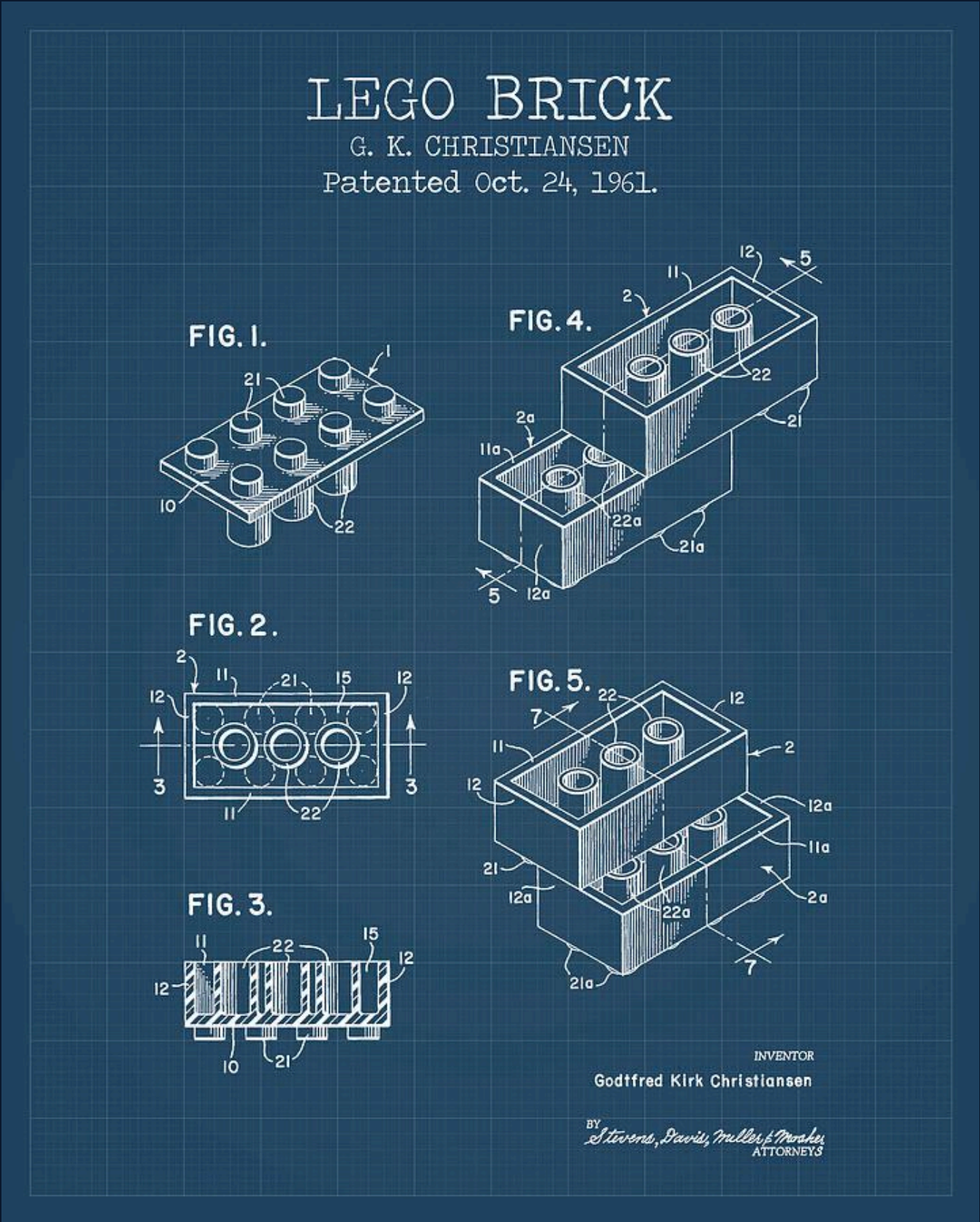
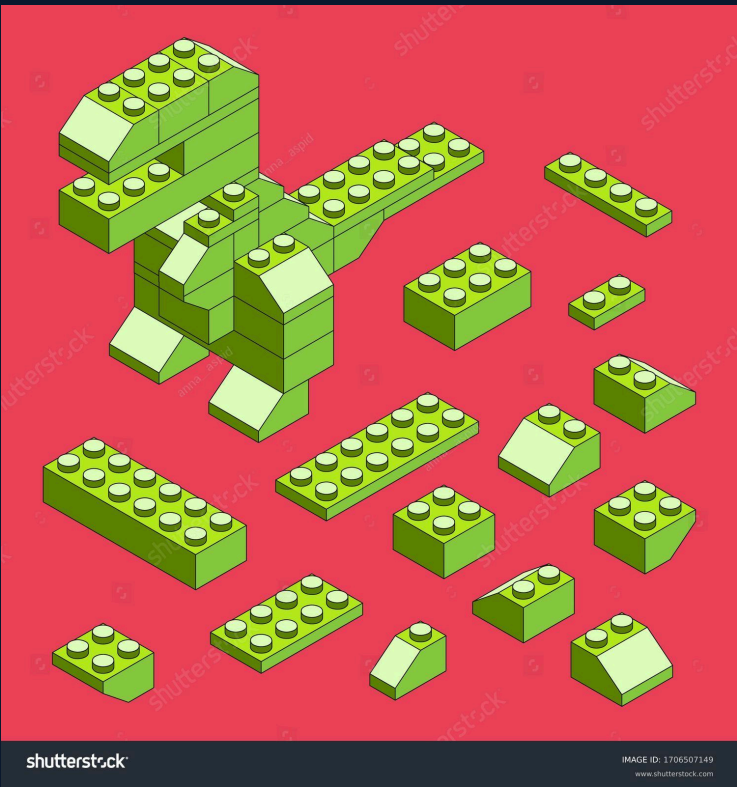


ILLEGAL



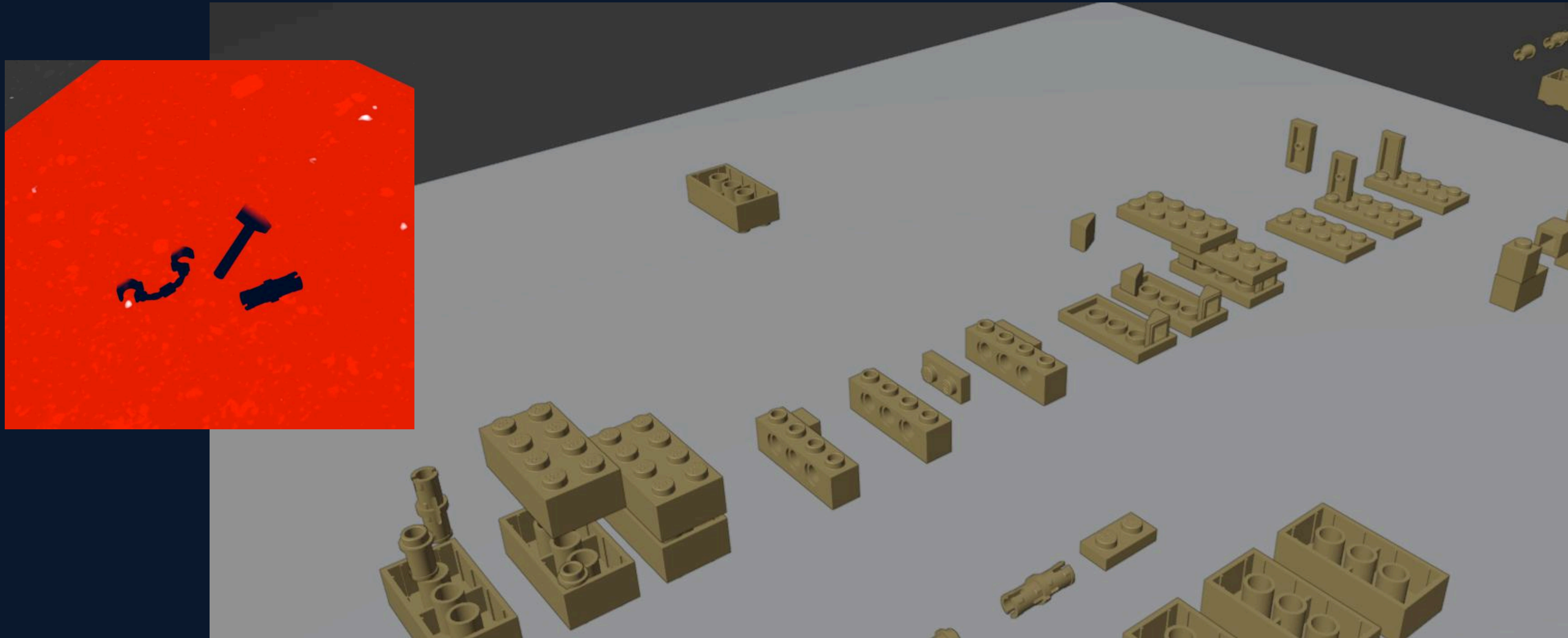
Inspiration

I want to create a website that showcases some of these techniques and the reasoning behind them.



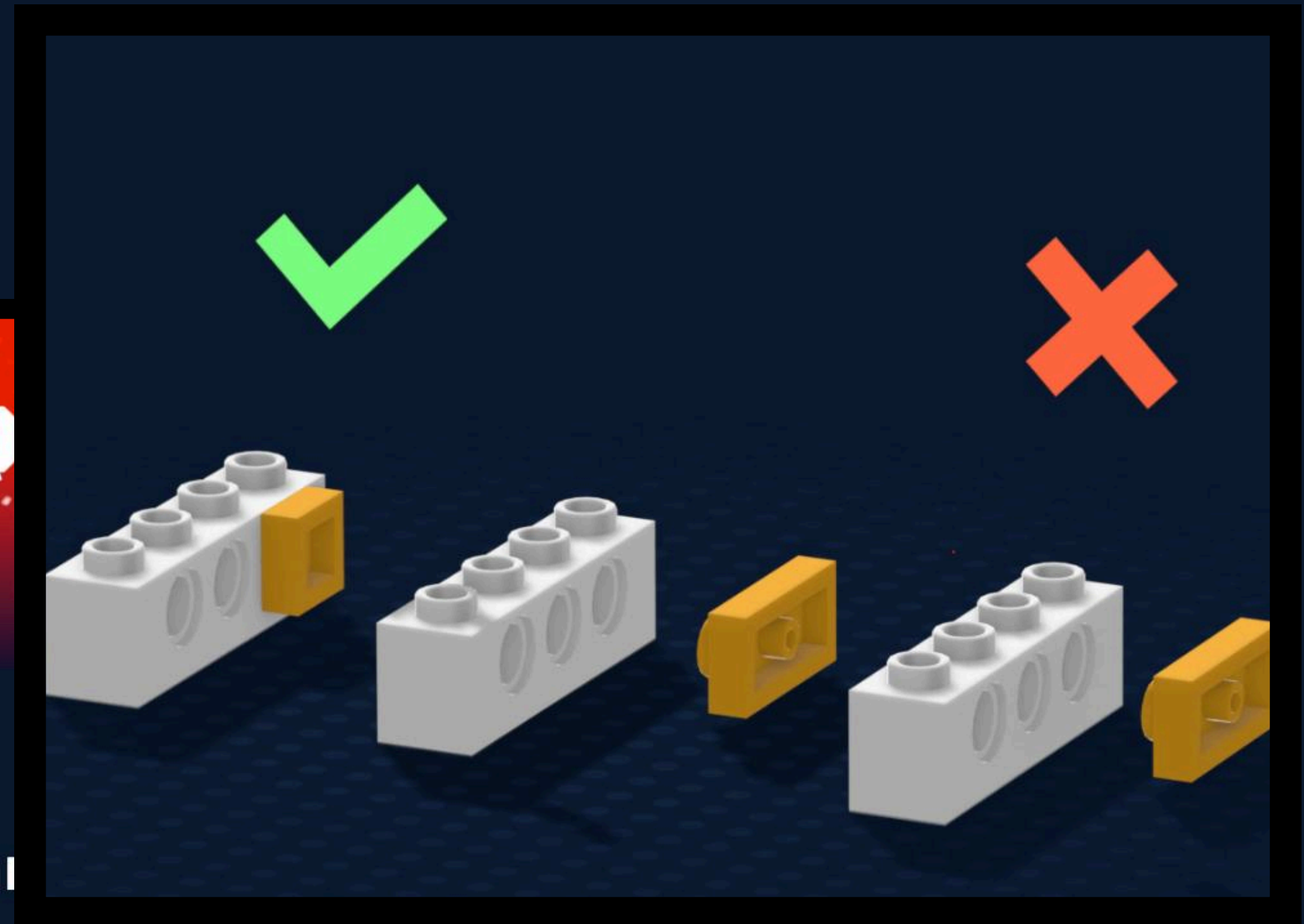
Design

I used blender to create graphics in 3d and 2d of different Lego pieces imported from mechabricks.



Outcome

Here is my Final site, i used css to create hover animations and skeleton for the layout combined with custom css

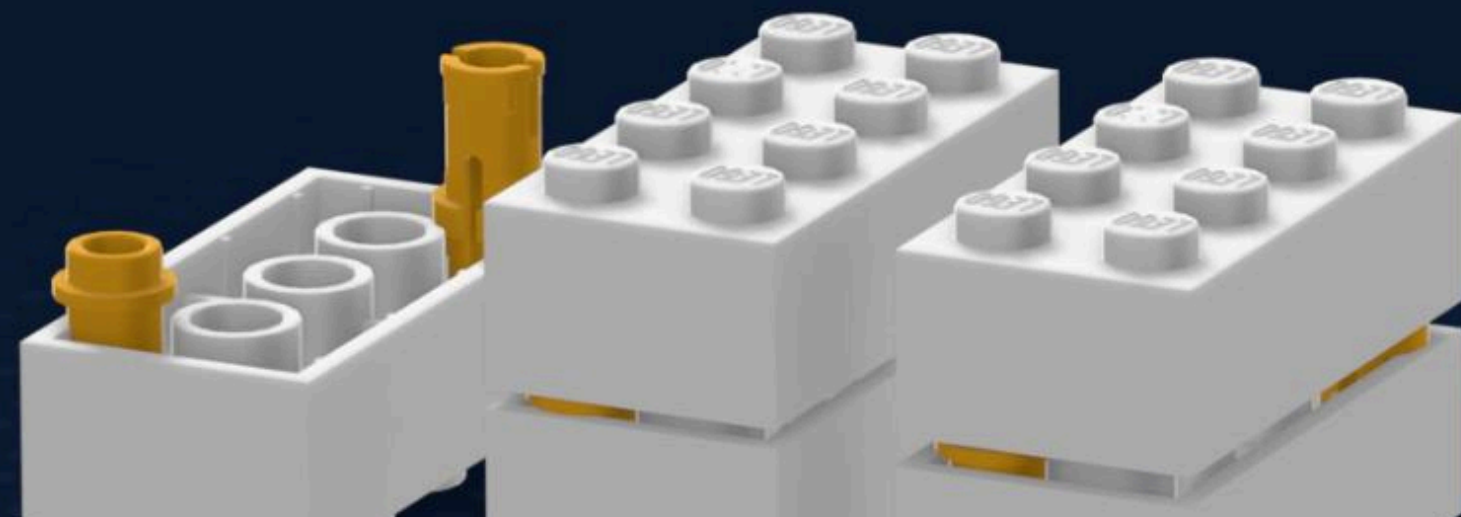


Pins in I

This technique uses the lego technique pins to allow 2 bricks to cor bottom to bottom, allowing for more snot techniques.

Why's it Illegal?

This technique uses the lego technique pins to allow 2 bricks to cor bottom to bottom, allowing for more snot techniques.



Thanks!

